DYNEX™

19" LCD TV

DX-19L200A12

USER GUIDE

Dynex DX-19L200A12
19" LCD TV

Contents

CHILD SAFETY
It makes a difference how and where you use your flat panel display

As you enjoy your new product, keep these safety tips in mind

The issue

The home theater entertainment experience is a growing trend, and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. We and the consumer electronics industry are committed to making home entertainment enjoyable and safe.

TVs that are inappropriately placed on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

Tune into safety

- One size of TV stand does **not** fit all. Use only a TV stand rated for the weight of your TV.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't let children climb on or play with entertainment system furniture and TVs.
- Don't place TVs on furniture that can easily be used as steps, such as a crate or chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger-than-life" TV. Make sure that you place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Make sure that you route all cords and cables so that they cannot be pulled or grabbed by curious children.

Wall mounting

If you decide to wall mount your TV, always remember:

- One size of wall mount does **not** fit all. Use only a wall mount rated for the weight of your TV and that has been recommended by this TV manufacturer, listed in this manual, or otherwise listed by an independent laboratory as suitable for your TV.
- Follow all instructions supplied by the TV and wall mount manufacturers.
- If you have any doubts about your ability to safely wall mount your TV, get help from a professional installer.
- Make sure that the wall where you are mounting the TV is appropriate. Some wall mounts are not designed to be mounted to walls backed with steel studs or cinder blocks. If you are unsure, ask a professional installer.
- TVs can be heavy. At least two people are required for safe wall mount installation.

Important safety instructions

| CAUTION |
| RISK OF ELECTRIC SHOCK |
| DO NOT OPEN |

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

1 Read these instructions.

2 Keep these instructions.

3 Heed all warnings.

4 Follow all instructions.

5 Do not use this apparatus near water.

6 Clean only with dry cloth.

7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11 Only use attachments/accessories specified by the manufacturer.

12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

S3125A

13 Unplug this apparatus during lightning storms or when unused for long periods of time.

14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15 The *wall plug* is the disconnecting device. The plug must remain readily operable.

16 An apparatus with three-prong, grounding-type plug is a Class I apparatus, which needs to be grounded to prevent possible electric shock. Make sure that you connect the Class I apparatus to a grounding-type, three-prong outlet.

17 Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.

18 The apparatus should not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, should be placed on the apparatus.

Warnings

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Cautions

Damage requiring service

Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:
- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
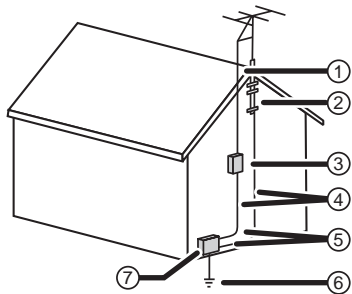
①	Antenna lead-in wire
②	Grounding clamp
③	Antenna discharge unit
④	Grounding conductors
⑤	Ground clamps
⑥	Power service grounding electrode system
⑦	Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.
Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

Note

The appearance of the product in this User Guide may differ from your actual product, and is for explanatory purposes only.

Installing the stand or wall-mount bracket

Installing the stand

To install the stand:

1   Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.
2   Align the stand column with the TV, then secure the column to the TV with the two screws (M4 x 25mm) provided.
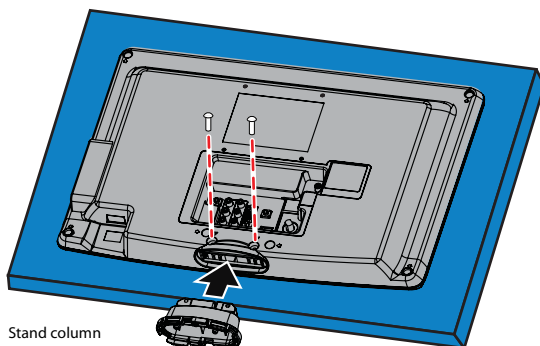
Stand column

3   Make sure the wide portion of the stand base faces the front of your TV. Align the base with the stand column, then secure the base to the column with the two screws (M3 x 8mm) provided.

Stand base
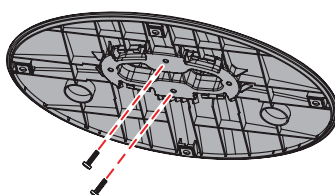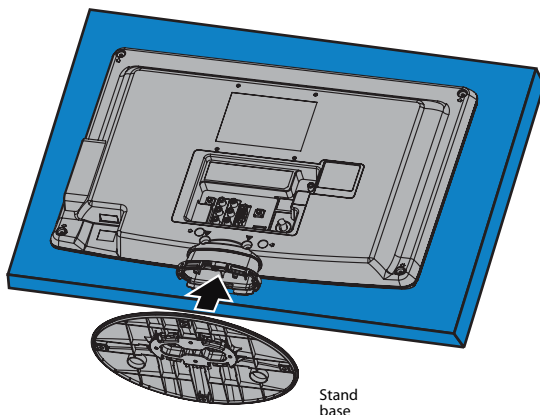
Two M4 x 8mm screws

Installing a wall-mount bracket

Warning

This apparatus is intended to be supported by a UL Listed wall mount bracket.

To attach your TV to a wall-mount bracket:

1   Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.
2   Remove the two screws that secure the stand column to your TV, then remove the stand column.

Bracket holes

Remove screws
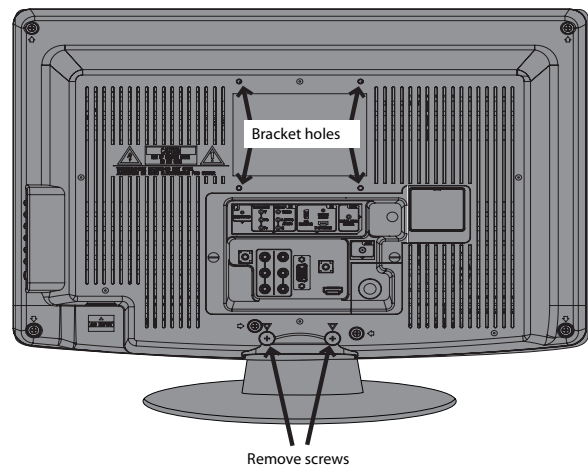
3   Attach the wall-mount brackets to your TV using the mounting holes on the back of your TV. See the instructions that came with the wall-mount for information about how to correctly hang your TV.

Note

The length of the wall-mount screws vary depending on the wall-mount you purchased. See the instructions that came with the wall-mount for screw lengths.

TV components

Package contents

- 19" LCD TV
- Remote control and batteries (2 AAA)
- Stand and stand column with screws
- AC power cord
- Composite cable
- *Quick Setup Guide*

Front

#	Item	Description
①	Remote sensor	Receives the signals from the remote control. Do not block.
②	Power indicator	Lights red when your TV is in standby mode. For more information, see "Turning your TV on or off" on page 16.

Side
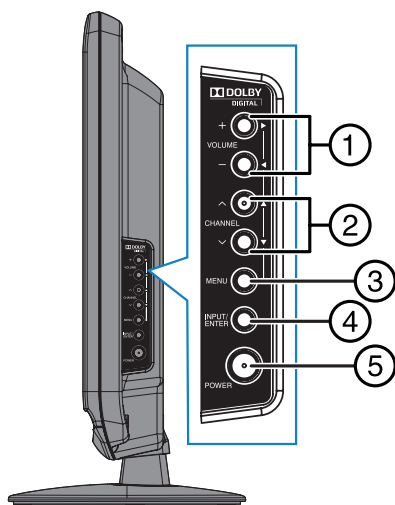
#	Button	Description
①	VOLUME+/−	Press to increase or decrease the volume.
②	CHANNEL ⌃/⌄	Press to go to the next or previous channel in the channel list.
③	MENU	Press to open the on-screen menu. For more information, see "Navigating the menus" on page 17.
④	INPUT/ENTER	Press to open the *INPUT SELECT* list, then press ▲ or ▼ to select a video input source. For more information, see "Selecting the video input source" on page 16. Press to select the desired setting during menu screen operations.
⑤	POWER	Press to turn your TV on or off (standby mode). When your TV is in standby mode, power still flows through it. To completely disconnect power, unplug the power cord.

Back

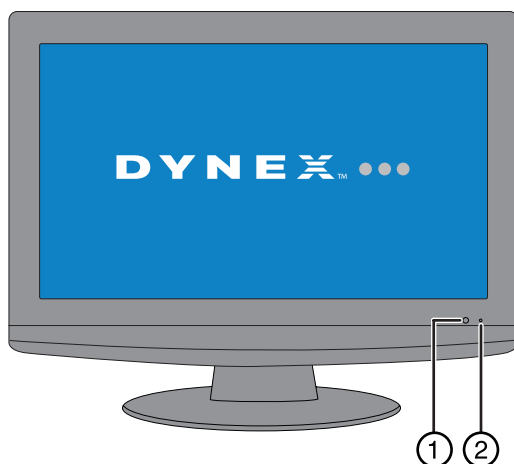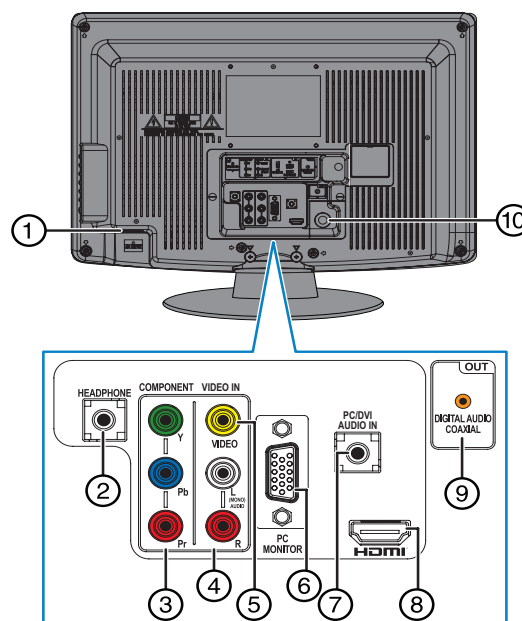| #	Item	Description
①	AC Power connector	Plug the AC power cable into this connector.
②	Headphone jack	Plug a headphone into this jack.
③	COMPONENT IN Y, P_B, P_R jacks	Connect the video for a component video device to these jacks. For more information, see "Using component video (better)" on page 11.
④	L/R AUDIO IN jacks	Connect the Left and Right audio output from the device to the white and red jacks, respectively. For more information, see "Using composite video (good)" on page 12, or "Connecting a VCR" on page 12.
⑤	VIDEO jack	Connect a standard, composite video device, such as a VCR, to the yellow jack. For more information, see "Using composite video (good)" on page 12, or "Connecting a VCR" on page 12.
⑥	PC MONITOR IN jack	Connect the video from a computer to this jack. For more information, see "Connecting a computer" on page 13.
⑦	PC/DVI AUDIO IN jack	Connect the audio for a computer or a DVI device to this jack. For more information, see "Connecting a computer" on page 13 or "Using DVI device (same as HDMI but requires a sound connection)" on page 11.
⑧	HDMI jack	Connect an HDMI device to this jack. An HDMI cable carries both video and sound. You do not need to make an audio connection for an HDMI device. For more information, see "Connecting a cable or satellite box" on page 7 or "Connecting a DVD or Blu-ray player" on page 10.

#	Item	Description
9	DIGITAL AUDIO COAXIAL OUT jack	Connect a digital audio amplifier cable to this jack. For more information, see "To connect a basic home theater system using digital audio:" on page 14.
10	ANT. (RF) IN jack	Connect an antenna or cable TV to this jack. For more information, see "Connecting an antenna or cable TV (no box)" on page 10.

Remote control

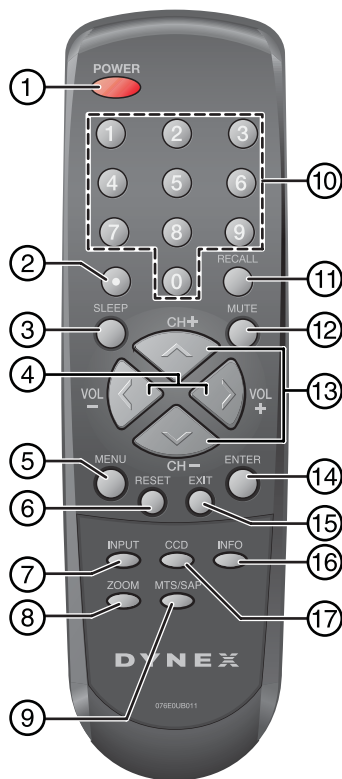| #	Button	Description
1	POWER	Press to turn your TV on or off (Standby mode). When your TV is off, power still flows into it. To disconnect power, unplug the power cord.
2	•	Press to enter a digital sub-channel number. For more information, see "Selecting a channel" on page 16.
3	SLEEP	Press to set the sleep timer. For more information, see "Using the Sleep setting" on page 16.
4	VOL+/VOL–/◄ ►	Press to increase or decrease the volume. Press the arrow keys to navigate through the on-screen menus and adjust settings.
5	MENU	Press to open the on-screen menu.
6	RESET	Press to reset the picture and audio settings to factory default.
7	INPUT	Press to open the *INPUT SELECT* list, then press ▲ or ▼ to select a video input source. For more information, see "Selecting the video input source" on page 16.
8	ZOOM	Press to select the aspect ratio. For more information, see "Setting the TV picture size" on page 19.

#	Button	Description
9	MTS/SAP	Press to select the soundtrack language.
10	Numbers	Press to enter channel numbers and the parental control password.
11	RECALL	Press to go to the last viewed channel.
12	MUTE	Press to mute the sound. Press again to restore the sound.
13	CH+/CH–/▲ ▼	Press to go to the next or previous channel in the channel list. For more information, see "Selecting a channel" on page 16. Press the arrow keys to navigate through the on-screen menus and adjust settings.
14	ENTER	Press to confirm selections or changes.
15	EXIT	Press to close the on-screen menu.
16	INFO	Press to display TV status information, such as the channel number, channel name (if available), or signal source. For more information, see "Viewing program information" on page 16.
17	CCD	Press to display the *Closed Caption* menu screen.
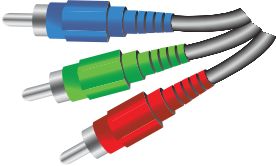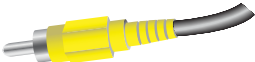
Making connections
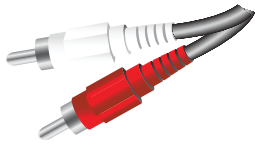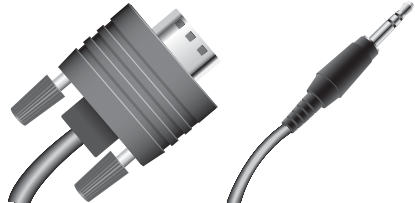
What connection should I use?

Your TV has several connection types for connecting devices to your TV.

For the best video quality, you should connect a device to the best available connection.

Use the following tables to identify cables:

Connection type and jack	Video quality	Cable connector
HDMI video/audio	**Best (use this if your devices have HDMI)**	
Component video (requires an audio connection)	**Better than composite, or coaxial**	
Composite video (requires an audio connection)	**Better than coaxial**	
Coaxial (RF) video/audio	**Good**	

Connection type and jack	Cable connectors
Analog audio	
VGA (computer) video and audio	

You can use the HDMI jack to connect a DVI device to your TV. You need to attach an HDMI-to-DVI adapter to the end of the HDMI cable that connects to the DVI device.

Cautions
- Check the jacks for position and type before making any connections.
- Loose connections can result in image or color problems. Make sure that all connections are tight and secure.
- The external audio/video equipment shown may be different from your equipment. If you have questions, refer to the documentation that came with your equipment.
- Always unplug the power cord when connecting external equipment.

Connecting power

To connect the power:
- Plug the AC power cord into the TV, then into an AC power outlet.
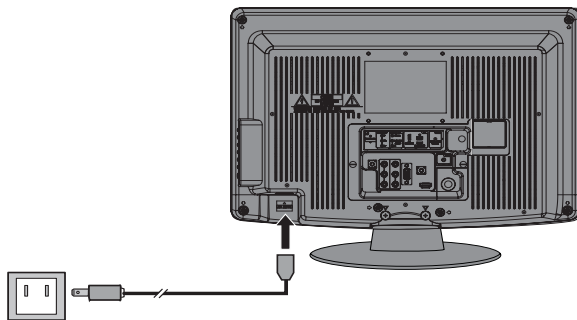
Notes
- Your TV should only be operated from the power source indicated on the label.
- Always unplug the AC power cord from the power outlet when you will not be using your TV for an extended period of time.

Connecting a cable or satellite box

Many cable or satellite TV boxes have more than one connection type. To get the best video, you should use the best connection type available. For more information, see "What connection should I use?" on page 6.

Notes
- If the signal level for a channel is weak, the picture may be distorted. Adjust the antenna or use a highly directional outdoor or set-top antenna with a built-in amplifier.
- If the picture quality is good on some channels and poor on others, the problem may be caused by a poor or weak signal from the broadcaster or cable TV provider.
- If you connect to cable or satellite TV without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable or satellite TV provider about upgrading to a set-top box.
- Many high-definition (HD) channels upscale standard-definition (SD) content. The picture displayed on your TV is still displayed as SD, thus the picture quality will not be as clear or crisp as it would be if the content was originally recorded in HD.

Using HDMI (best)

To connect a cable or satellite box using HDMI:
1 Turn off your TV and all connected equipment.
2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3 Connect an HDMI cable (not provided) to an **HDMI IN** jack on the back of your TV and to the HDMI OUT jack on the cable or satellite box.
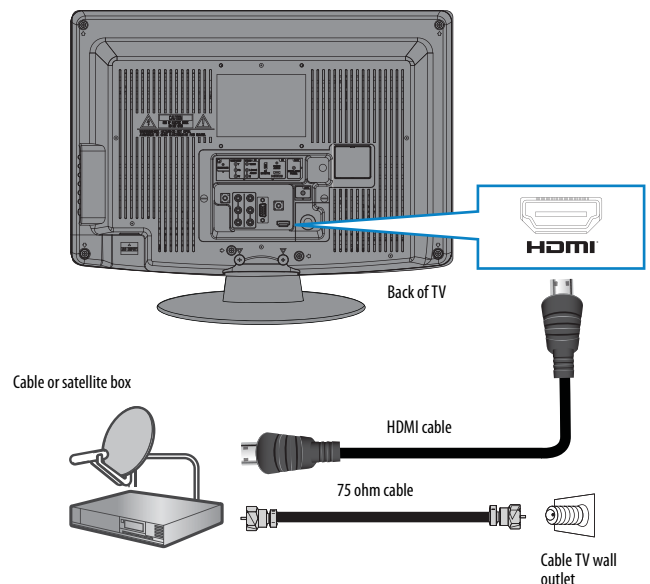
Back of TV

Cable or satellite box

HDMI cable

75 ohm cable

Cable TV wall outlet

4 Turn on your TV, then turn on the cable or satellite box.
5 Go through the setup wizard on page 15.

Notes
An HDMI cable carries both audio and video. You do not need to use any audio cables.

Using DVI (same as HDMI but requires an audio connection)

To connect a cable or satellite box using DVI:

1 Turn off your TV and all connected equipment.
2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3 Connect an HDMI-DVI adapter (not provided) to one end of an HDMI cable (not provided), then connect it to the DVI OUT jack on the cable or satellite box.
4 Connect the other end of the HDMI cable to the **HDMI IN** jack on the back of your TV.

PC/DVI
AUDIO IN

HDMI

Back of TV

Cable or satellite box

HDMI cable with HDMI-DVI adapter

3.5 mm audio cable

75 ohm cable

Cable TV wall outlet
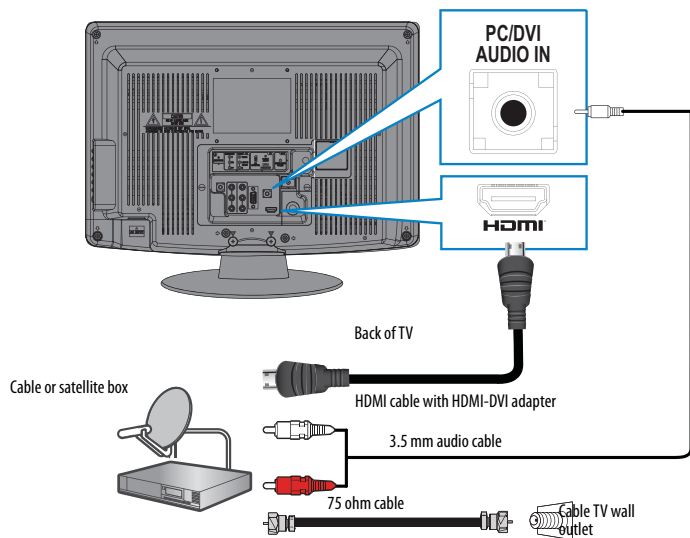
5 Connect a 3.5 mm audio cable (not provided) to the **PC/DVI AUDIO IN** jack on the back of your TV and to the AUDIO OUT jack on the cable or satellite box.
6 Turn on your TV, then turn on the cable or satellite box.
7 Go through the setup wizard on page 15.

Using component video (better)

To connect a cable or satellite box using component video:

1 Turn off your TV and all connected equipment.
2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3 Connect a component video cable (not provided) to the **COMPONENT IN**/**Y**, **PB**, **PR** jacks on the back of your TV and to the component video out jacks on the cable or satellite box.

Back of TV

COMPONENT   VIDEO IN
Y
VIDEO
Pb
MONO AUDIO L
Pr
R

Component video cable

Cable or satellite box

Cables are often color-coded to match color-coded jacks.

Audio cable

75 ohm cable

Cable TV wall outlet
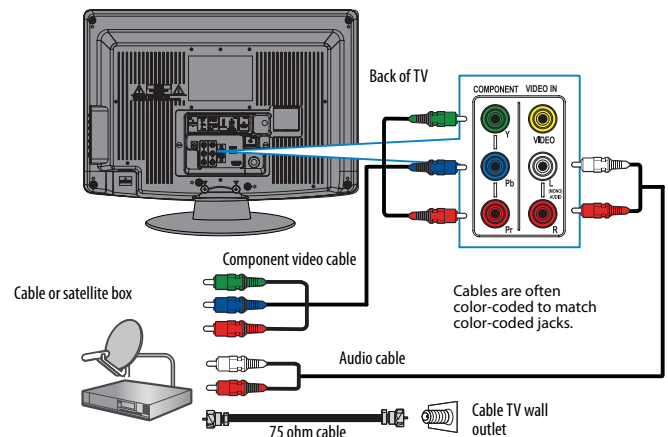
4 Connect an audio cable (not provided) to the **L** and **R** audio jacks on the back of your TV and to the audio out jack on the cable or satellite TV box.
5 Turn on your TV, then turn on the cable or satellite box.
6 Go through the setup wizard on page 15.

Using composite video (good)

To connect a cable or satellite box using composite video:

1 Turn off your TV and all connected equipment.
2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3 Connect a composite cable (not provided) to the **VIDEO, L(MONO) AUDIO ,** and **R** jacks on the back of your TV and to the composite video and audio out jacks on the cable or satellite box.

COMPONENT   VIDEO IN
Y
VIDEO
Pb
L
(MONO)
AUDIO
Pr
R

Back of TV

Cables are often color-coded to match color-coded jacks.

Cable or satellite box

Composite cable

75 ohm cable

Cable TV wall outlet

4 Turn on your TV, then turn on the cable or satellite box.
5 Go through the setup wizard on page 15.

Using coaxial (good)

To connect a cable or satellite box using coaxial:

1 Turn off your TV and all connected equipment.
2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
3 Connect a coaxial cable (not provided) to the **ANT. IN** jack on the back of your TV and to the coaxial out jack on the cable or satellite box.
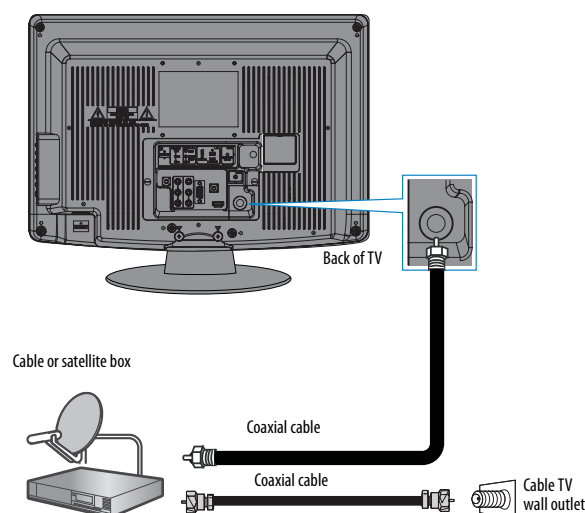
Back of TV

Cable or satellite box

Coaxial cable

Coaxial cable

Cable TV wall outlet

4 Turn on your TV, then turn on the cable or satellite box.
5 Go through the setup wizard on page 15.

Notes
• Do not tie the coaxial cable together with the power cord or other cables.

Connecting an antenna or cable TV (no box)

To connect an antenna or cable TV (no box):

1 Turn off your TV and all connected equipment.
2 Connect a coaxial cable (not provided) to the **ANT. IN** jack on the back of your TV and to the antenna or cable TV wall jack.

Back of TV
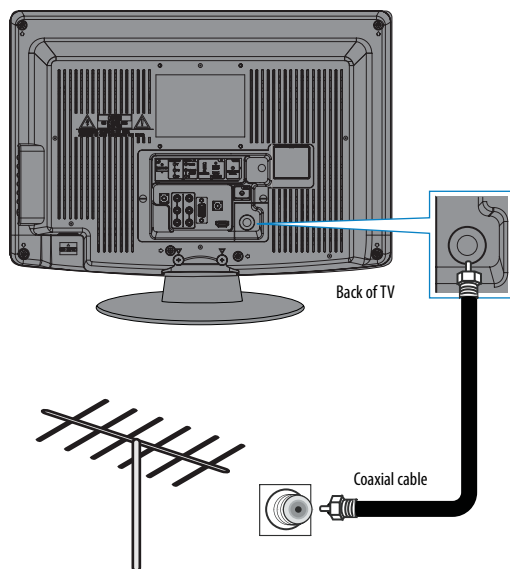
Coaxial cable

3 Turn on your TV, then go through the setup wizard on page 15.

Notes
• Do not tie the coaxial cable together with the power cord or other cables.   • If the antenna is not installed correctly, contact qualified service personnel to correct the problem.

Connecting a DVD or Blu-ray player

Using HDMI (best)

To connect a DVD or Blu-ray player using HDMI:

1 Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2 Connect an HDMI cable (not provided) to the **HDMI IN** jack on the back of your TV and to the HDMI OUT jack on the DVD or Blu-ray player.

Back of TV

DVD or Blu-ray player   HDMI cable
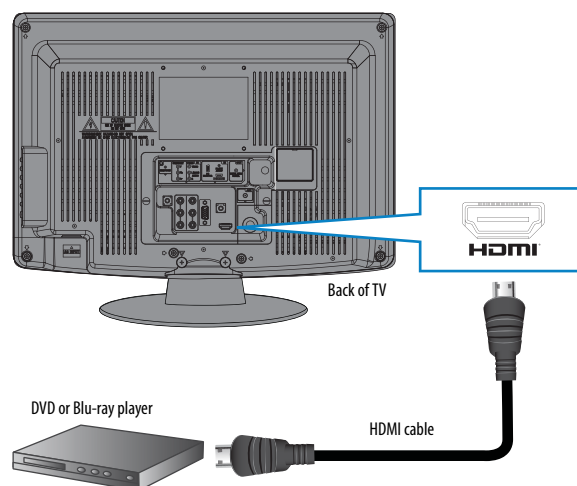
To play from a DVD or Blu-ray player using HDMI:

1 Turn on your TV, then press **INPUT** to open the *INPUT SELECT* list.
2 Press ▲ or ▼ to select **HDMI**, then press **ENTER**.
3 Turn on the DVD or Blu-ray player, then set it to the output mode. See the documentation that came with the device for more information.

Using DVI device (same as HDMI but requires a sound connection)

To connect a DVD or Blu-ray player using DVI:

1 Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2 Connect an HDMI-to-DVI cable (not provided) to the **HDMI IN** jack on the back of your TV and to the DVI OUT jack on the DVD or Blu-ray player.
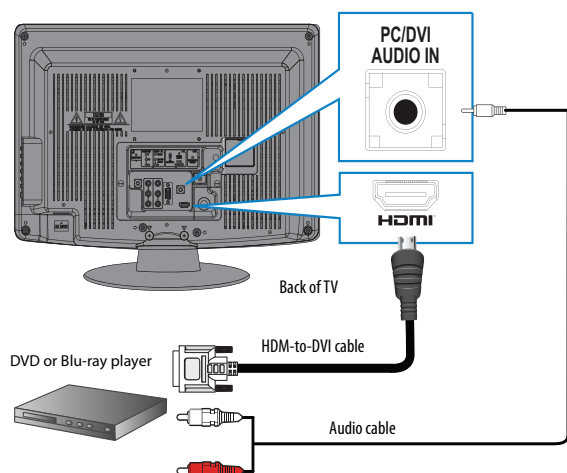
3 Connect an audio cable with stereo mini plug (not provided) to the **PC/DVI AUDIO IN** jack on the back of your TV and to the AUDIO OUT jack on the DVD or Blu-ray player.

> **Note**
>
> When you connect the audio using the **PC/DVI AUDIO IN** jack, the audio output is analog.

To play from a DVD or Blu-ray player using DVI:

1 Turn on your TV, then press **INPUT** to open the *INPUT SELECT* list.
2 Press ▲ or ▼ to select **HDMI**, then press **ENTER**.
3 Turn on the DVD or Blu-ray player, then set it to the output mode. See the documentation that came with the device for more information.

Using component video (better)

To connect a DVD or Blu-ray player using component video:

1 Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2 Connect a component video cable (not provided) to the **COMPONENT IN**/**Y**, **P**$_B$, **P**$_R$ jacks on the back of your TV and to the COMPONENT OUT jacks on the DVD or Blu-ray player.

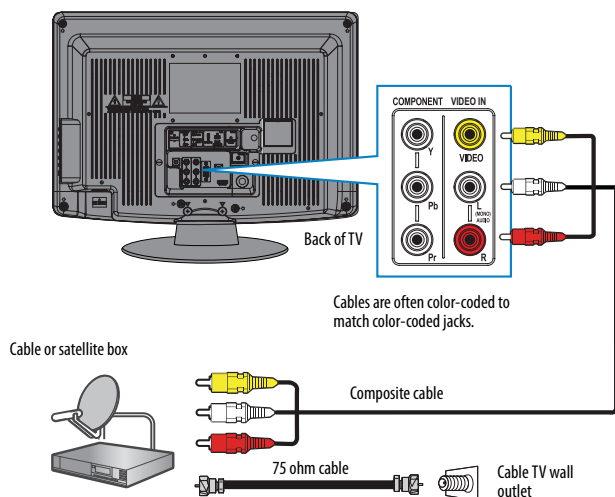Cables are often color-coded to match color-coded jacks.
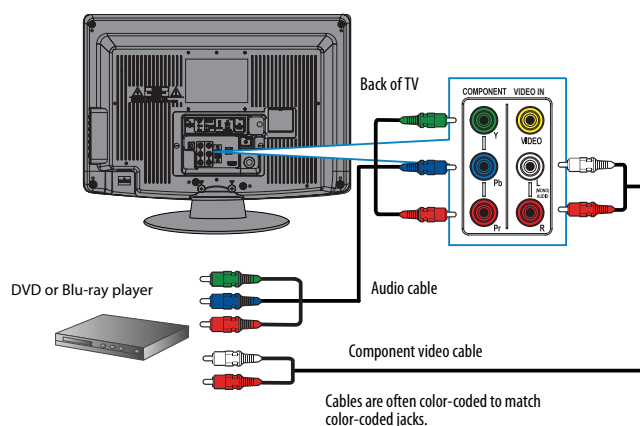
3 Connect an audio cable (not provided) to the **L (MONO) AUDIO** and **R** audio jacks on the back of your TV and to the L/R AUDIO OUT jacks on the component video device.

To play from DVD or Blu-ray player using component video:

1 Turn on your TV, then press **INPUT** to open the *INPUT SELECT* list.
2 Press ▲ or ▼ to select **Component**, then press **ENTER**.
3 Turn on the DVD or Blu-ray player, then set it to the output mode. See the documentation that came with the device for more information.

Using composite video (good)

To connect a DVD or Blu-ray player using composite video:

1. Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
2. Connect a composite cable (not provided) to the **VIDEO** and **L(MONO) AUDIO** and **R** audio jacks on the back of your TV and to the AV OUT jacks on the DVD or Blu-ray player.

> **Note**
>
> When you connect the audio using the **L(MONO) AUDIO** and **R** audio jacks, the audio output is analog.

Back of TV

Cables are often color-coded to match color-coded jacks. Connect yellow to yellow, red to red, and white to white.

DVD or Blu-ray player

Composite cable
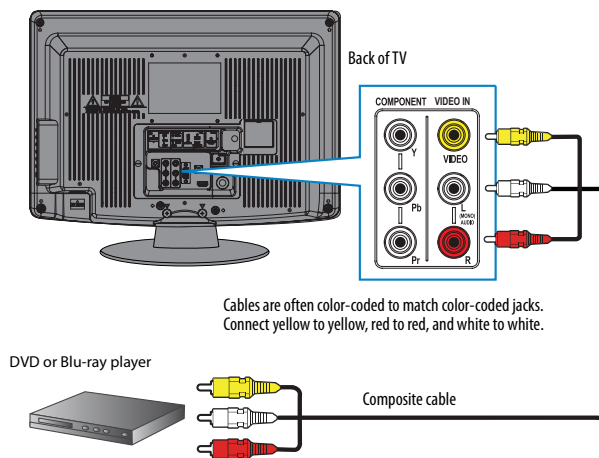
To play from a DVD or Blu-ray player using composite video:

1. Turn on your TV, then press **INPUT** to open the *INPUT SELECT* list.
2. Press ▲ or ▼ to select **Video**, then press **ENTER**.
3. Turn on the DVD or Blu-ray player, then set it to the output mode. See the documentation that came with the device for more information.

Connecting a VCR

To connect a VCR:

1. Make sure that your TV's power cord is unplugged and the VCR is turned off.
2. Connect a composite cable (not provided) to the **VIDEO** and **L(MONO) AUDIO** and **R** audio jacks on the back of your TV and to the AV OUT jacks on the VCR.

> **Note**
>
> When you connect the audio using the **L(MONO) AUDIO** and **R** audio jacks, the audio output is analog.

Back of TV

Cables are often color-coded to match color-coded jacks. Connect yellow to yellow, red to red, and white to white.

VCR

Composite cable
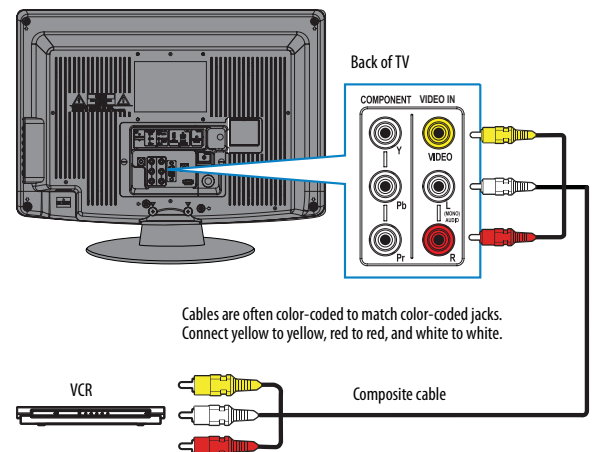
To play from the VCR:

1. Turn on your TV, then press **INPUT** to open the *INPUT SELECT* list.
2. Press ▲ or ▼ to select **Video**, then press **ENTER**.
3. Turn on the VCR, then set it to the output mode. See the documentation that came with the VCR for more information.

Connecting a camcorder or game console

To connect a camcorder or game console:
1   Make sure that your TV's power cord is unplugged and the camcorder or game console is turned off.
2   Connect a composite cable (not provided) to the **VIDEO** and **L(MONO) AUDIO** and **R** audio jacks on the back of your TV and to the AV OUT jacks on the camcorder or game console.

Note

When you connect the audio using the **L(MONO) AUDIO** and **R** audio jacks, the audio output is analog.

Back of TV

COMPONENT   VIDEO IN

Camcorder or game console

Cables are often color-coded to match color-coded jacks. Connect yellow to yellow, red to red, and white to white.

Composite cable
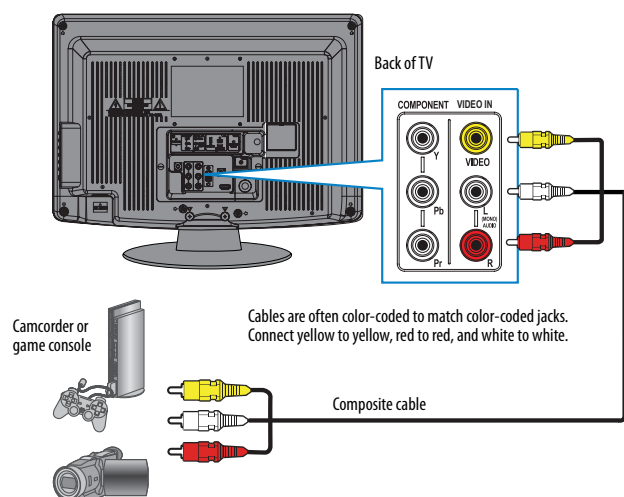
To play from the camcorder or game console:
1   Turn on your TV, then press **INPUT** to open the *INPUT SELECT* list.
2   Press ▲ or ▼ to select **Video**, then press **ENTER**.
3   Turn on the camcorder or game console, then set it to the output mode. See the documentation that came with the device for more information.

Connecting a computer

Using VGA

To connect a computer using VGA:
1   Make sure that your TV's power cord is unplugged and the computer is turned off.
2   Connect a VGA cable (not provided) to the **PC MONITOR IN** jack on the back of your TV and to the VGA jack on the computer.
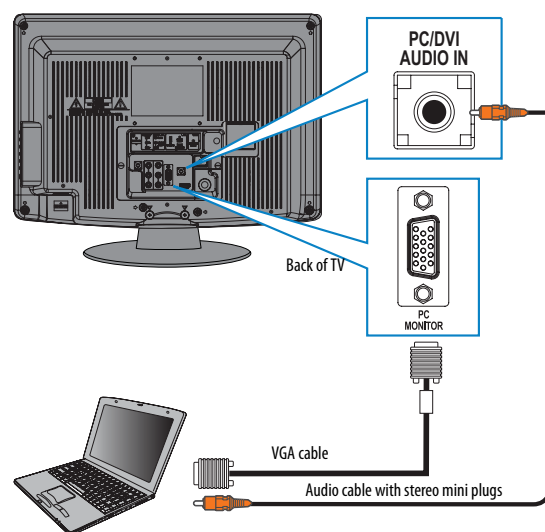
PC/DVI AUDIO IN

Back of TV

PC MONITOR

VGA cable

Audio cable with stereo mini plugs

3   Connect an audio cable with stereo mini plug (not provided) to the **PC/DVI AUDIO IN** jack on the back of your TV and to the LINE OUT or AUDIO OUT jack on the computer.

To play video from the computer:
1   Turn on your TV, then press **INPUT** to open the *INPUT SELECT* list.
2   Press ▲ or ▼ to select **PC**, then press **ENTER**.
3   Turn on the computer and adjust the display properties if necessary.

Using HDMI

To connect a computer using HDMI:

1 Make sure that your TV's power cord is unplugged and the computer is turned off.

2 Connect an HDMI cable (not provided) to the **HDMI IN** jack on the back of your TV and to the HDMI OUT jack on the computer.
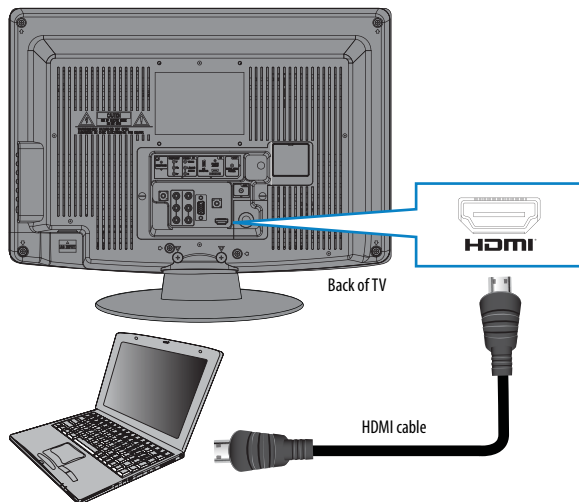
Back of TV

HDMI cable

To play video from the computer:

1 Turn on your TV, then press **INPUT** to open the *INPUT SELECT* list.

2 Press ▲ or ▼ to select **HDMI**, then press **ENTER**.

3 Turn on the computer and adjust the display properties if necessary.

Connecting a basic home theater system

To connect a basic home theater system using digital audio:

1 Make sure that your TV's power cord is unplugged and the home system is turned off.

2 Connect an audio cable (not provided) to the **DIGITAL AUDIO COAXIAL** jack on the back of your TV and to the DIGITAL AUDIO IN jack on the home theater system.

Home theater system

OUT

DIGITAL AUDIO
COAXIAL

Back of TV

DIGITAL
AUDIO IN

Digital coaxial audio cable
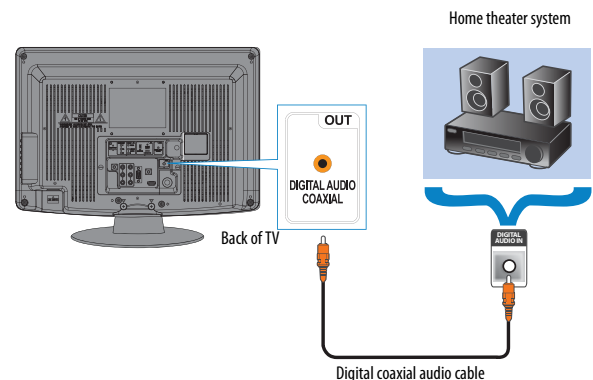
Connecting a home theater system with multiple devices

Blu-ray player/DVD player/VCR

Cable or satellite TV box

AV receiver

Game console
or camera

Computer

Antenna or cable TV
connected directly to
the wall jack
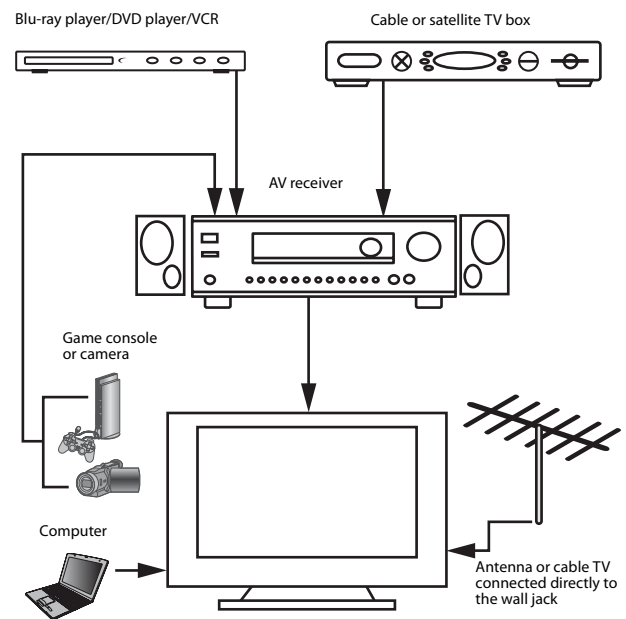
The connections you make depend on the video and audio jacks available on your devices. Refer to the documentation that came with your devices for connection information.

Remember to use the best connection types available for the best picture and sound. For information about connection types, see "What connection should I use?" on page 6.

Using the remote control

Installing remote control batteries

To install the remote control batteries:

1　While pressing the cover release latch on the back of the remote control, lift the cover off the remote control.
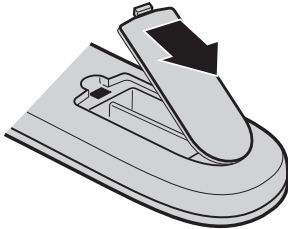
2　Insert two AAA batteries into the battery compartment. Make sure that you match the + and – symbols on the batteries with the + and – symbols in the battery compartment.
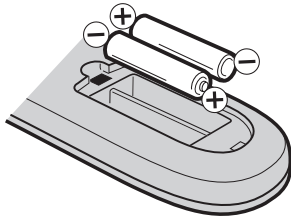
3　Replace the battery cover.

Cautions
• Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire. • Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately. • Make sure that batteries are disposed of correctly. Do not burn or incinerate.

Notes
• Do not mix batteries of different types. • Do not mix old and new batteries. • Remove batteries when the charge is depleted. • If the remote control is not going to be used for an extended period of time, remove the batteries.

Aiming the remote control

To aim the remote control:

• Point the remote control towards the remote sensor on the front of your TV.

Turning on your TV for the first time

The first time you turn on your TV, the *Auto Setup* screen opens. The Auto Setup guides you through setting up basic settings including the menu language, date and time, picture mode, and TV signal source.

To set up your TV:

1　Make sure that you have:
   • Installed the remote control batteries. (See page 15 for details).
   • Connected an antenna, cable TV, or satellite TV. (See page 7 to page 10 for details.)
   • Connected the power cord. (See page 7 for details.)

2　Press Power, then wait several seconds. The *Auto Setup* menu opens.

> ⚙🔧 **Auto Setup**
>
> | TV Location | Store |
> |---|---|
> | E-POP Demo | Off |
> | Signal Type | Cable |
> | Automatic Search | Start |
>
> This unit has been preset to STORE brightness. This setting does not qualify under ENERGY Star. To reduce brightness and energy consumption, change setting to "HOME". This setting does qualify under ENERGY STAR.
>
> ▲▼ :Select　　◄► :Adjust
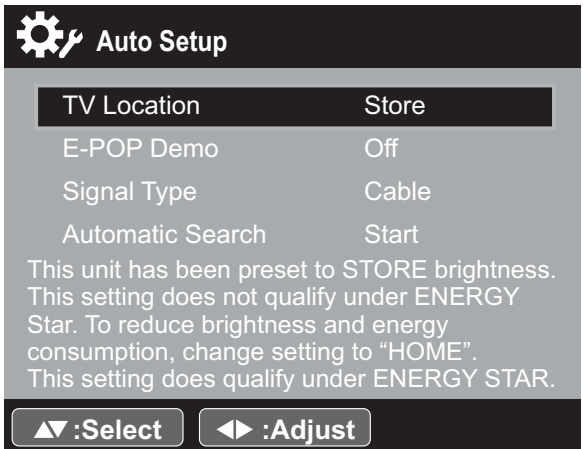
3　Press ▲ or ▼ to highlight **TV Location**, then press ◄ or ► to select **Store** or **Home**. (This TV qualifies for the ENERGY STAR rating in the Home mode default setting).

Notes:

   • *This TV has been preset to **Store** brightness. This setting does not qualify under ENERGY STAR. To reduce brightness and energy consumption, change setting to **Home**. This setting does qualify under ENERGY STAR.*
   • *The device may not conform to the ENERGY STAR standard after Reset is performed or the Backlight is adjusted.*

4　Press ▲ or ▼ to select **E-POP Demo**, then press ◄ or ► to select **On** or **Off**.
   On–A TV feature introduction pops up at the bottom of the screen.
   Off–Turn off the E-POP Demo feature.

5　Press ▲ or ▼ to select **Signal Type**, then press ◄ or ► to select **Cable** or **Air**.

6　Press ▲ or ▼ to select **Automatic Search**, then press ► or **ENTER**. Auto Setup begins. After Auto Setup is completed, the TV channel appears on the screen.

Notes:

   • *Depending on reception, it may take up to 30 minutes to complete memorizing digital cable channels. Let the process complete without interruption.*
   • *If you press **EXIT** during the process, Auto Setup stops and changes to the normal screen.*
   • *When you make a menu selection, your changes occur immediately. You do not have to press **EXIT** to see your changes.*
   • *The auto setup process will only start by itself the first time you turn on your TV. However, you can restart the process via the menu system.*

Understanding the basics

Turning your TV on or off

To turn your TV on or off:

1 Make sure that the power cord is connected to a power outlet.
2 Press **POWER** to turn on your TV.
3 Press **POWER** again to turn off your TV. Your TV enters Standby mode.

Selecting the video input source

To select the video input source:

1 Turn on your TV, then press **INPUT**. The *Input Select* list opens.

Input Select

0.TV
1.Video
2.Component
3.HDMI
4.PC
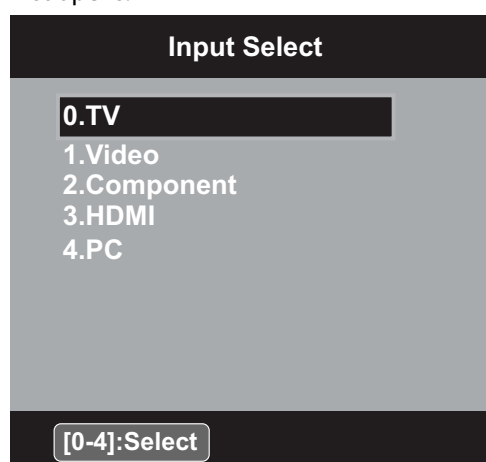
[0-4]:Select

2 Press ▲ or ▼ to highlight the video input source, then press **ENTER**, or press the number button that corresponds to the input you want.

Selecting a channel

To select a channel:

• Press **CH+** or **CH–** to go to the next or previous channel on the memorized channel list.
• Press the number buttons to enter the channel number you want, then wait for the channel to change or press **ENTER** to immediately change the channel.
• To select a digital sub-channel, press the number buttons to select the main digital channel, press •, then press the number button for the sub-channel. Wait for the channel to change, or press **ENTER** to immediately change the channel.
• Press **RECALL** to go to the last viewed channel. Press **RECALL** again to return to the channel you were watching.

Adjusting the volume

To adjust the volume:

• Press **VOL+** or **VOL–** to increase or decrease the volume.
• Press **MUTE** to turn off the sound. Press **MUTE** again to turn the sound back on.

Using the Sleep setting

To set the TV to turn off after a preset amount of time, press **SLEEP** on the remote control. The clock adds 10 minutes for each press of the **SLEEP** button (Off, 0h 10m, 0h 20m, 0h 30m, 0h 40m, 0h 50m, 1h 0m, 1h 10m, 1h 20m, 1h 30m, 1h 40m, 1h 50m, 2h 0m). After the sleep time is programmed, the display appears briefly every ten minutes to remind you that the sleep timer is operating. To confirm the sleep timer setting, press **SLEEP** and the remaining time is displayed for a few seconds. To cancel the sleep timer, press **SLEEP** repeatedly until the display turns to Off.

Viewing program information

To view channel information:

• Press **INFO** to view an information banner. The information banner shows the current program information such as channel number, video input source, and resolution.
• Digital channel information—Displays the channel number, station name, channel label, broadcast program name, TV rating, signal type, audio information, resolution, CC mode, current time, and current program start and end times.

62-1	HDTV_Moving_Picture...		Sleep Timer Off
CH-1	TV-MA		
Digital	Air		English

No Program Information is available

Full
1080i

• Analog channel information—Displays channel number, channel label (if preset), signal type, audio information, and resolution.

14			Sleep Timer Off
	G		
Analog	Cable		

Mono
Full
480i
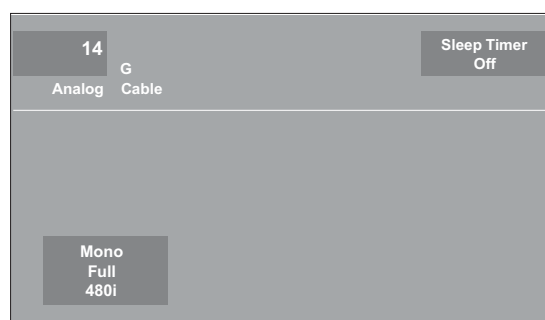
Using the on-screen menus

Notes

• Depending on the signal source selected, you may see different options on your screen. The following menus are shown in TV mode.
• Menus in this manual are described in TV mode, unless otherwise indicated.
• The screens shown in this manual are for explanation purposes and may vary from the actual screens on your TV.

To use the on-screen menus:
1 Press **INPUT** to select **TV** mode.
2 Press **MENU**. The *Main Menu* screen appears.

Main Menu

▢ Picture
♪ Audio
CH Channel
🔒 Lock
⚙ Setup   >>

▲▼ :Select   ENTER :Set
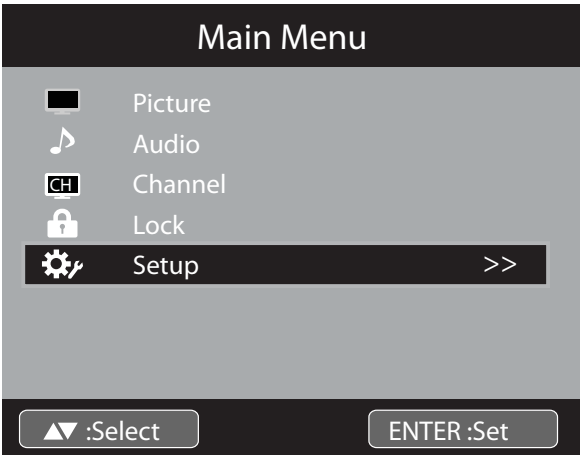
3 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.
4 Press ▲ or ▼ to select the item you want to set, then press ◀ or ▶ to select the desired setting.
5 Press **EXIT** to return to the normal screen.

Note: If no buttons are pressed for more than 60 seconds, the menu screen returns to normal operation automatically.

Navigating the menus

MENU
Press **MENU** to open the on-screen menu.

Press ◀ or ▶ to move the cursor on the screen or to adjust a selected item.

Press ▲ or ▼ to select menu options.

ENTER
Press **ENTER** to confirm a selection or enter a sub-menu.

MENU
Press **MENU** to return to the previous menu.

EXIT
Press **EXIT** to close the menu.
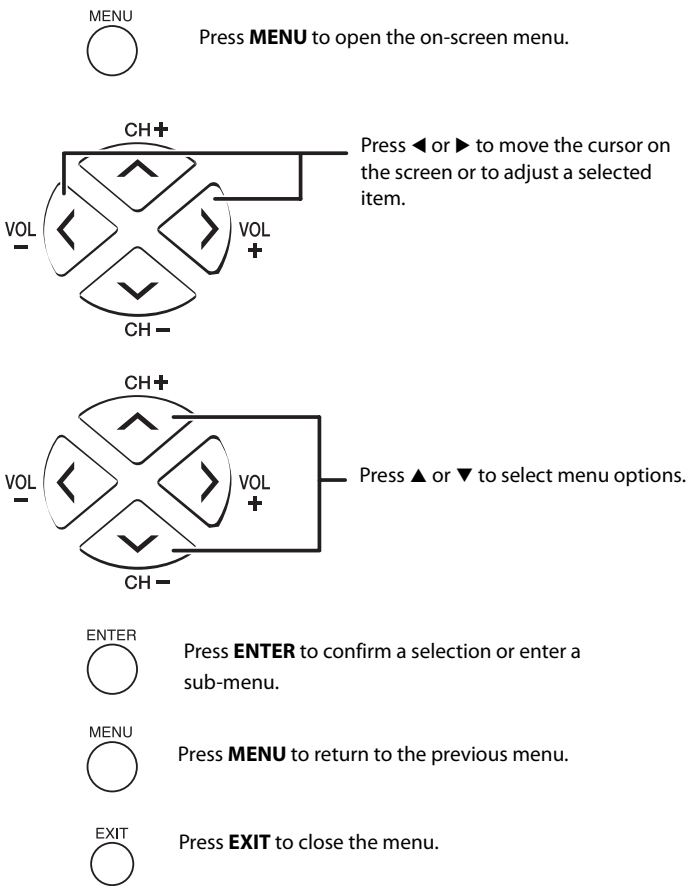
Changing the picture settings

Setting your picture preference

To set the TV picture preference:
1 Press **MENU**. The *Main Menu* screen appears.
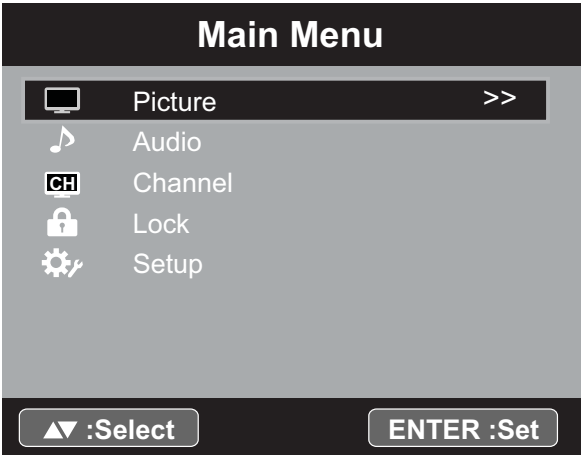
Main Menu

▢ Picture   >>
♪ Audio
CH Channel
🔒 Lock
⚙ Setup

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.

▢ **Picture**

Picture Preference	Sports
Picture Setting	>>
Dynamic Gamma	On
Picture Size	>>
Film Mode	On
PC Setting	>>
DNR	On

▲▼ :Select   ◀▶ :Adjust
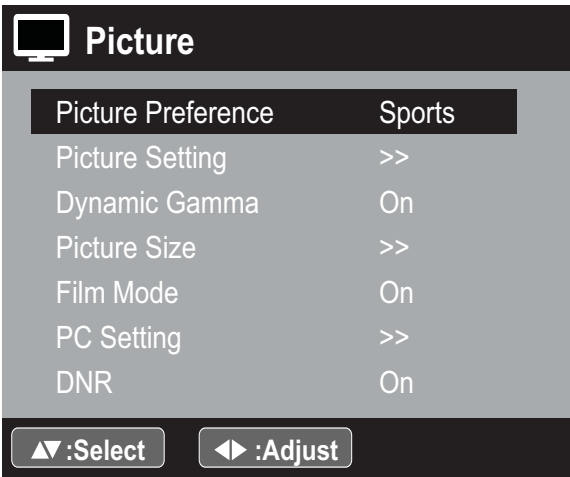
3 Press ▲ or ▼ to select **Picture Preference**, then press ◀ or ▶ to change the setting. You can select:
   • **Sports**—For a bright and dynamic picture.
   • **Standard**—For standard picture quality.
   • **Movie**—For a movie-like picture setting.
   • **Memory**—To use your own custom settings.
4 Press **EXIT** to return to the normal screen.

Making memory (custom) settings

To set the TV picture preference:

1 Press **MENU**. The *Main Menu* screen appears.

> ### Main Menu
>
> 🖥 Picture >>
> ♪ Audio
> CH Channel
> 🔒 Lock
> ⚙ Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.

> ### 🖥 Picture
>
> Picture Preference   Sports
> Picture Setting   >>
> Dynamic Gamma   On
> Picture Size   >>
> Film Mode   On
> PC Setting   >>
> DNR   On
>
> ▲▼ :Select   ◀▶ :Adjust
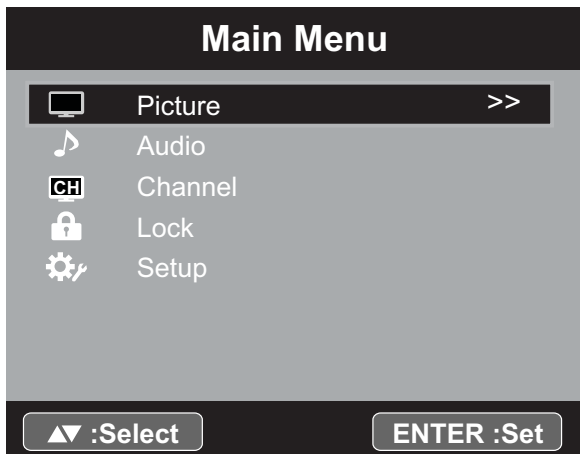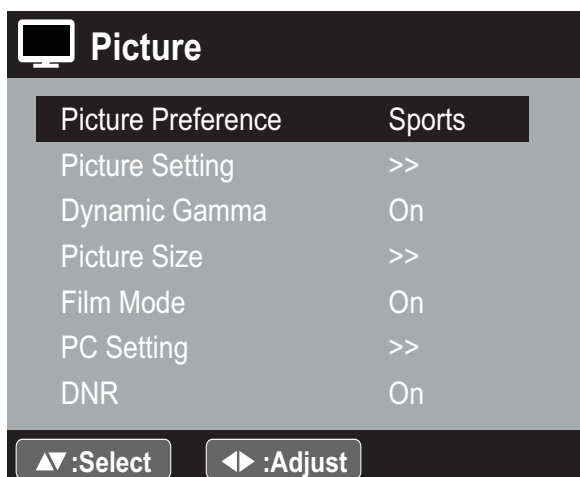
3 Press ◀ or ▶ to set **Picture Preference** to **Memory**.

4 Press ▲ or ▼ to select **Picture Setting**, then press ▶ or **ENTER**. The *Picture Setting* menu opens.
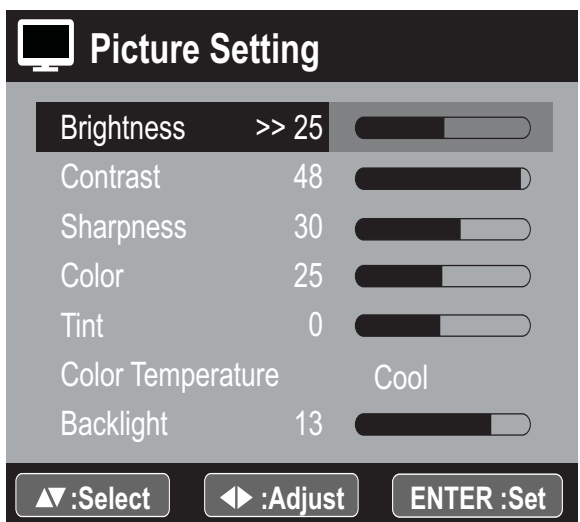
> ### 🖥 Picture Setting
>
> Brightness   >> 25
> Contrast   48
> Sharpness   30
> Color   25
> Tint   0
> Color Temperature   Cool
> Backlight   13
>
> ▲▼ :Select   ◀▶ :Adjust   ENTER :Set

5 Press ▲ or ▼ to select the picture element you want to set, then press ◀ or ▶ to change the setting. You can select:
- **Brightness**
- **Contrast**
- **Sharpness**
- **Color**
- **Tint**
- **Color Temperature**
- **Backlight**

6 Press **EXIT** to return to the normal screen.

Changing the Dynamic Gamma setting

Dynamic Gamma produces greater picture detail in dark or bright areas of the picture.

To change the Dynamic Gamma setting:

1 Press **MENU**. The *Main Menu* screen appears.

> ### Main Menu
>
> 🖥 Picture >>
> ♪ Audio
> CH Channel
> 🔒 Lock
> ⚙ Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.

> ### 🖥 Picture
>
> Picture Preference   Sports
> Picture Setting   >>
> Dynamic Gamma   On
> Picture Size   >>
> Film Mode   On
> PC Setting   >>
> DNR   On
>
> ▲▼ :Select   ◀▶ :Adjust
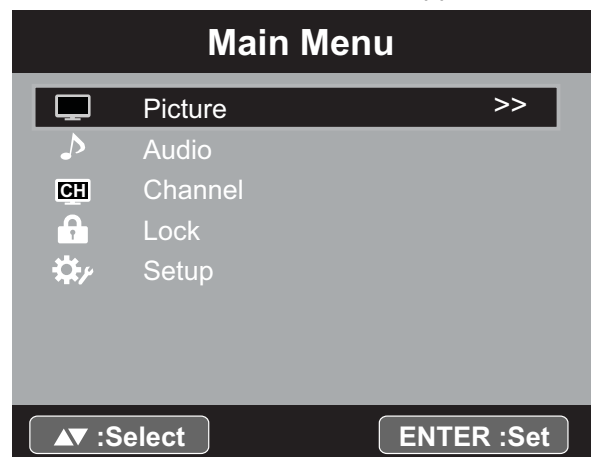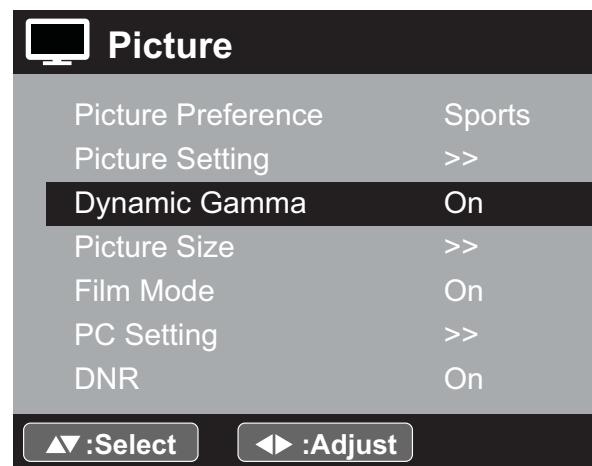
3 Press ▲ or ▼ to select **Dynamic Gamma**, then press ◀ or ▶ to change the setting. You can select:
- **On**—To turn Dynamic Gamma on.
- **Off**—To turn Dynamic Gamma off.

4 Press **EXIT** to return to the normal screen.

Setting the TV picture size

To set the TV picture size:

1 Press **MENU**. The *Main Menu* screen appears.
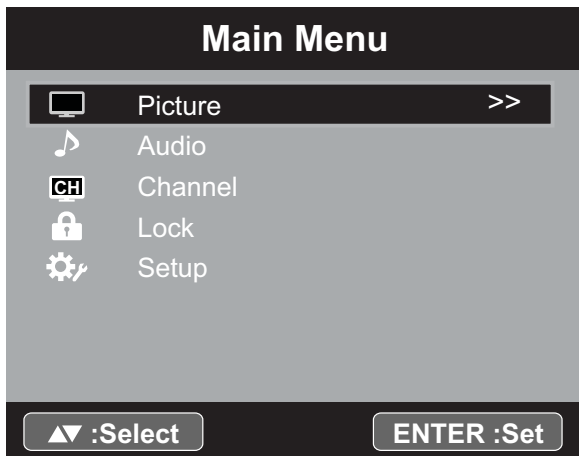
> **Main Menu**
>
> 🖥️ Picture   >>
> 🎵 Audio
> 📺 Channel
> 🔒 Lock
> ⚙️ Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.

> 🖥️ **Picture**
>
> Picture Preference   Sports
> Picture Setting   >>
> Dynamic Gamma   On
> Picture Size   >>
> Film Mode   On
> PC Setting   >>
> DNR   On
>
> ▲▼ :Select   ◀▶ :Adjust
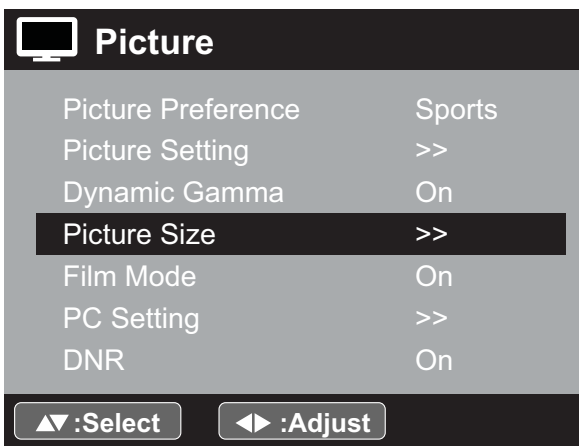
3 Press ▲ or ▼ to select **Picture Size**, then press ▶ or **ENTER**. The *Picture Size* menu opens.

> 🖥️ **Picture Size**
>
> **0.Natural**
> **1.Cinema Wide1**
> **2.Cinema Wide2**
> **3.Cinema Wide3**
> **4.Full**
>
> [0-4] :Select

4 Press **0** to **4** to select the picture size you want.

Notes:

- *Selectable picture sizes may vary depending on the input source or broadcast signal.*
- *Picture Size menu also can be displayed by pressing **ZOOM** on the remote control.*

You can choose from the following picture sizes:

Aspect ratio option	Example
Natural: Displays the original 4:3 aspect ratio with vertical black bars on the left and right of the image. If the original aspect ratio is 16:9, the image displays in 16:9.	
Cinema Wide 1: Expands the image to fill the screen. The top and bottom of the image may be cropped.	
Cinema Wide 2: Use this option to view content recorded in a 16:9 (wide-screen) aspect ratio.	
Cinema Wide 3: Stretches the image at the edges, but keeps a clear image in the center.	
Full: Displays the image at the maximum size.	

Notes:

- *Some High Definition and/or Digital broadcasts may not allow you to change the picture size.*
- *In HDMI or Component mode with a scanning rate of 720p, 1080i, or 1080p (HDMI only), only the Cinema Wide2 and Full picture sizes are available.*
- *In PC mode, only the Natural, Full, and Native picture sizes are available. In PC mode*
- *(WXGA) only the Full and Native picture size features are available.*

5 Press **EXIT** to return to the normal screen.

Changing the film mode setting

Turning film mode on can result in smoother motion in action scenes (480i only).

To change the flim mode setting:

1 Press **MENU**. The *Main Menu* screen appears.

> ### Main Menu
>
> 🖥 Picture   >>
> ♪ Audio
> CH Channel
> 🔒 Lock
> ⚙ Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.

> ### 🖥 Picture
>
> Picture Preference   Sports
> Picture Setting   >>
> Dynamic Gamma   On
> Picture Size   >>
> Film Mode   On
> PC Setting   >>
> DNR   On
>
> ▲▼ :Select   ◀▶ :Adjust
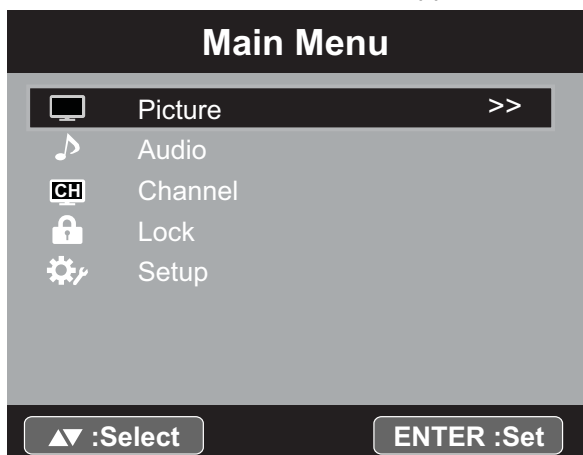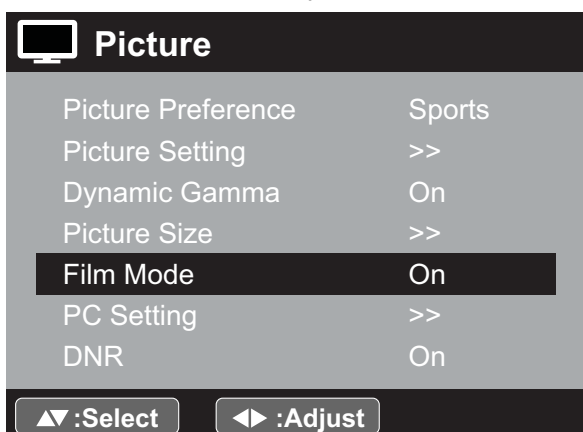
3 Press ▲ or ▼ to select **Film Mode**, then press ◀ or ▶ to change the setting. You can select:
   • **On**—Turns film mode on.
   • **Off**—Turns film mode off.
4 Press **EXIT** to return to the normal screen.

Changing PC settings

Changing PC settings can help to optimize the picture from a computer to your TV screen.

To change the PC settings:

1 Press **MENU**. The *Main Menu* screen appears.
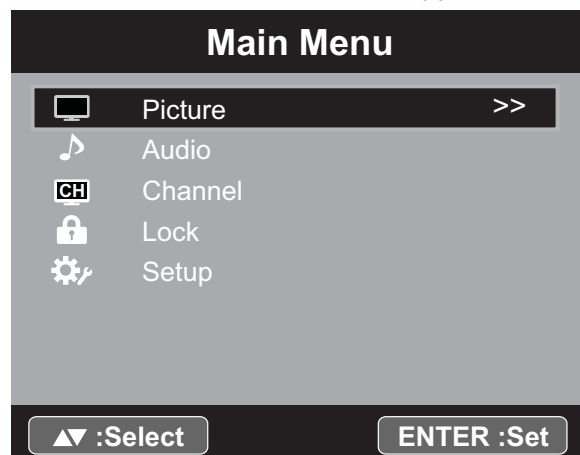
> ### Main Menu
>
> 🖥 Picture   >>
> ♪ Audio
> CH Channel
> 🔒 Lock
> ⚙ Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.

> ### 🖥 Picture
>
> Picture Preference   Sports
> Picture Setting   >>
> Dynamic Gamma   On
> Picture Size   >>
> Film Mode   On
> PC Setting   >>
> DNR   On
>
> ▲▼ :Select   ◀▶ :Adjust

3 Press ▲ or ▼ to select **PC Setting**, then press ▶ or **ENTER**. The *PC Setting* menu opens.
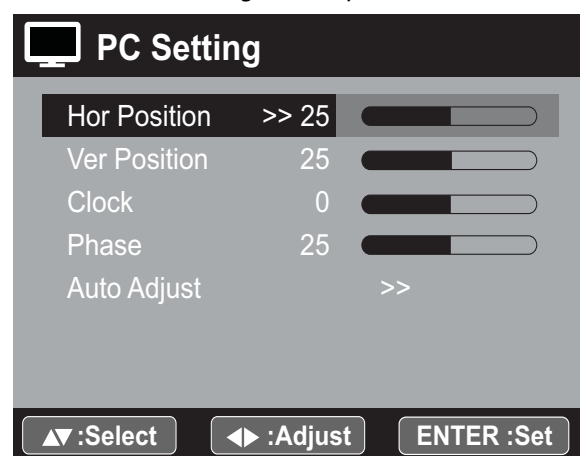
> ### 🖥 PC Setting
>
> Hor Position   >> 25
> Ver Position   25
> Clock   0
> Phase   25
> Auto Adjust   >>
>
> ▲▼ :Select   ◀▶ :Adjust   ENTER :Set

4 Press ▲ or ▼ to select the picture element you want to set, then press ◀ or ▶ to change the setting. You can select:
   • **Hor Position**—Adjusts the horizontal position of the picture on the screen.
   • **Ver Position**—Adjusts the vertical position of the picture on the screen.

• **Clock**—Adjust this to minimize any vertical bars or stripes on the screen.
• **Phase**—Adjust this to optimize the picture quality after the frequency has been set.
• **Auto Adjust**—Adjusts PC settings automatically.
5 Press **EXIT** to return to the normal screen.

Changing the DNR setting

DNR (Digital Noise Reduction can reduce the roughness of the picture.

To change the DNR setting:
1 Press **MENU**. The *Main Menu* screen appears.

> ### Main Menu
>
> 🖥 Picture   >>
> ♪ Audio
> CH Channel
> 🔒 Lock
> ⚙ Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Picture**, then press ▶ or **ENTER**. The *Picture* menu opens.

> ### 🖥 Picture
>
> Picture Preference   Sports
> Picture Setting   >>
> Dynamic Gamma   On
> Picture Size   >>
> Film Mode   On
> PC Setting   >>
> DNR   On
>
> ▲▼ :Select   ◄► :Adjust
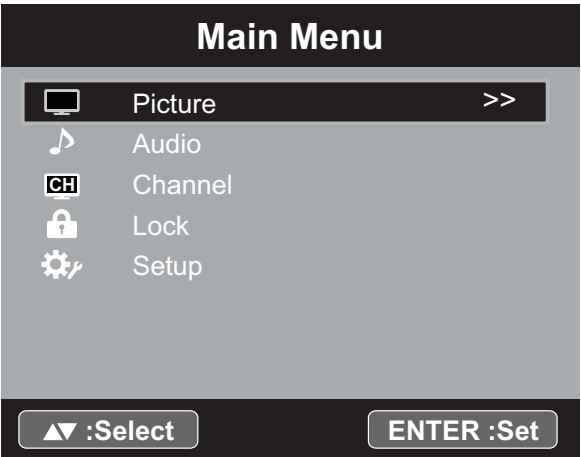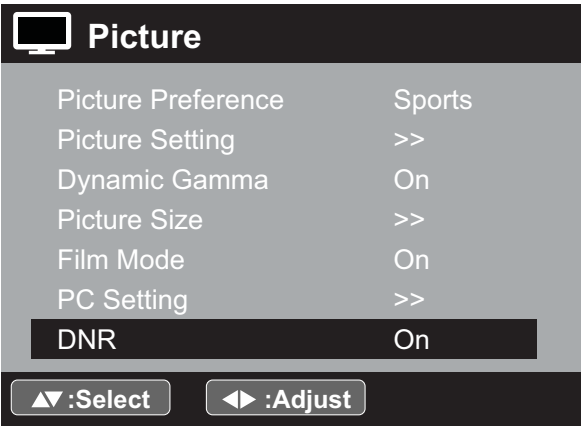
3 Press ▲ or ▼ to select **DNR**, then press ◄ or ▶ to change the setting. You can select:
• **On**—Turns DNR on.
• **Off**—Turns DNR off.
4 Press **EXIT** to return to the normal screen.
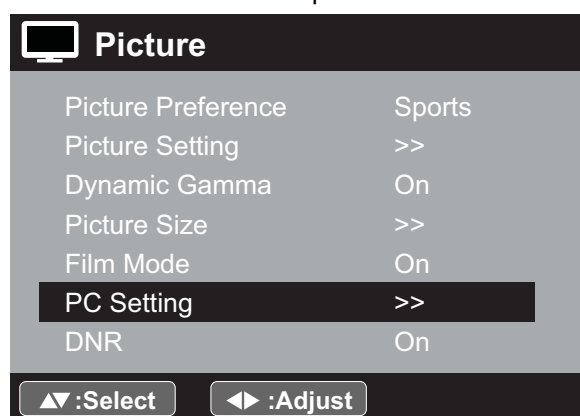
Changing the audio settings

Setting the equalizer mode

To set the equalizer mode:
1 Press **MENU**. The *Main Menu* screen appears.

> ### Main Menu
>
> 🖥 Picture
> ♪ Audio   >>
> CH Channel
> 🔒 Lock
> ⚙ Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

> ### ♪ Audio
>
> Equalizer Mode   Flat
> Audio Setting   >>
> MTS   Stereo
> Surround   Off
> Auto Volume   Off
> Audio Language   Spanish
> HDMI Audio   HDMI
>
> ▲▼ :Select   ◄► :Adjust
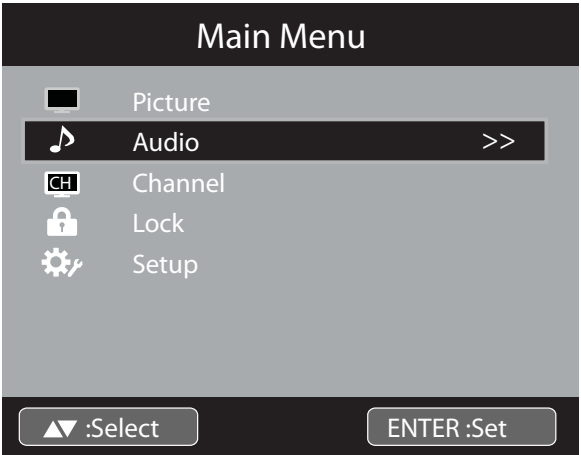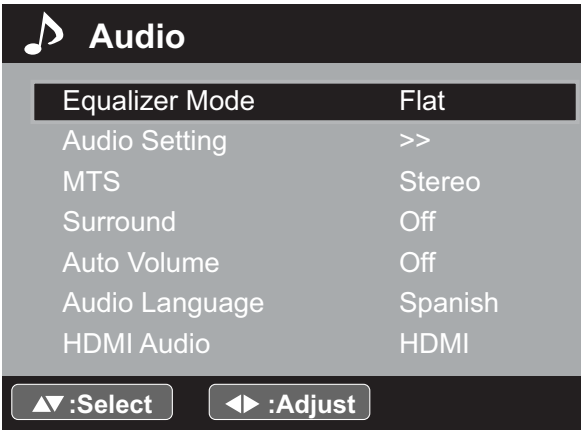
3 Press ▲ or ▼ to select the **Equalizer Mode** preset you want. You can select:
• **Standard**—For standard sound reproduction.
• **Music**—To optimize the sound for music.
• **Movie**—For a movie-like sound quality.
• **News**—To optimize the sound for talking.
• **Memory**—To customize the sound settings to your taste.
• **Flat**—Turns off the sound equalizer.
4 Press **EXIT** to return to the normal screen.

Customizing the audio settings

To customize the audio settings:

1 Press **MENU**. The *Main Menu* screen appears.

Main Menu	
▪ Picture	
♪ Audio	>>
CH Channel	
🔒 Lock	
⚙ Setup	
▲▼ :Select	ENTER :Set

2 Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

♪ Audio	
Equalizer Mode	Flat
Audio Setting	>>
MTS	Stereo
Surround	Off
Auto Volume	Off
Audio Language	Spanish
HDMI Audio	HDMI
▲▼ :Select	◀▶ :Adjust
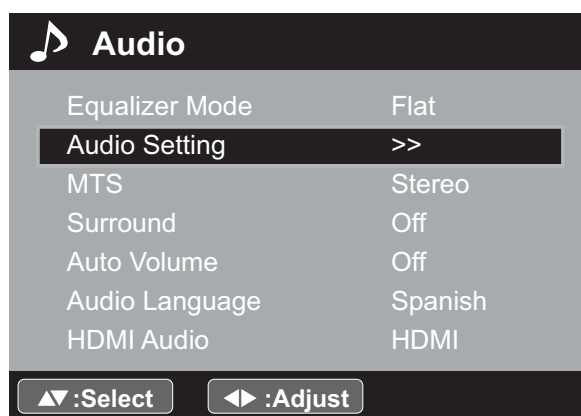
3 Press ▲ or ▼ to select **Audio Setting**, then press ▶ or **ENTER**. The *Audio Setting* menu opens.

♪ Audio Setting	
Bass	>> 15
Treble	15
Equalizer Setting	>>
Balance	0
▲▼ :Select	◀▶ :Adjust
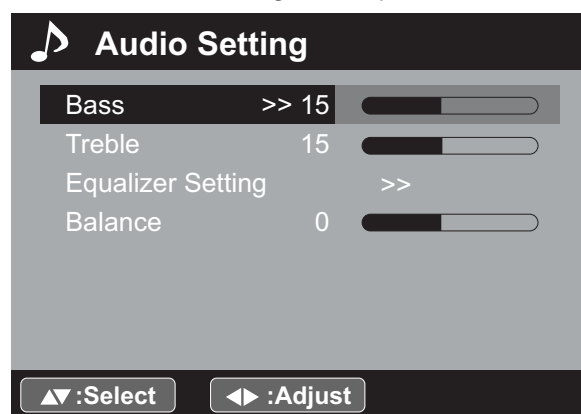
4 Press ▲ or ▼ to select the audio elements you want to set, then press ◀ or ▶ to change the setting. You can select:
- **Bass/Treble**—Increase the lows (bass) or highs (treble). Only available in Flat mode.
- **Equalizer Setting**—100Hz/250Hz/500Hz/1kHz/2kHz/4kHz/10kHz (Not available in Flat mode)
- **Balance**—To balance the sound left to right. Only available in Flat mode.

5 Press **EXIT** to return to the normal screen.

Changing the MTS setting

The multi-channel TV sound (MTS) feature provides high-fidelity stereo sound. MTS also can transmit a second audio program (SAP) containing a second language or other audio information.
When the TV receives a stereo or SAP broadcast, the word "Stereo" or "SAP" displays on-screen when you press **INFO**.

To change the MTS setting:

1 Press **MENU**. The *Main Menu* screen appears.

Main Menu	
▪ Picture	
♪ Audio	>>
CH Channel	
🔒 Lock	
⚙ Setup	
▲▼ :Select	ENTER :Set

2 Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

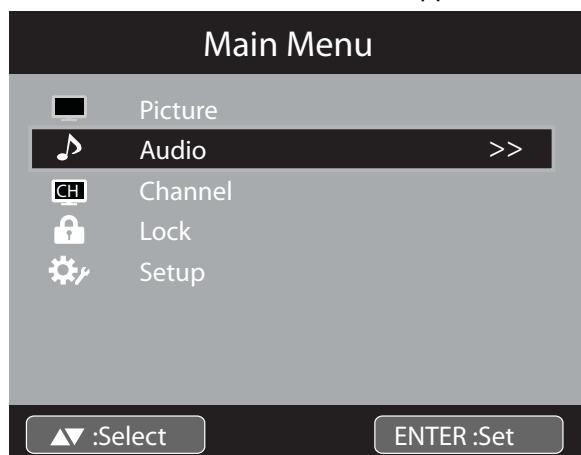| ♪ Audio	
Equalizer Mode	Flat
Audio Setting	>>
MTS	Stereo
Surround	Off
Auto Volume	Off
Audio Language	Spanish
HDMI Audio	HDMI
▲▼ :Select	◀▶ :Adjust
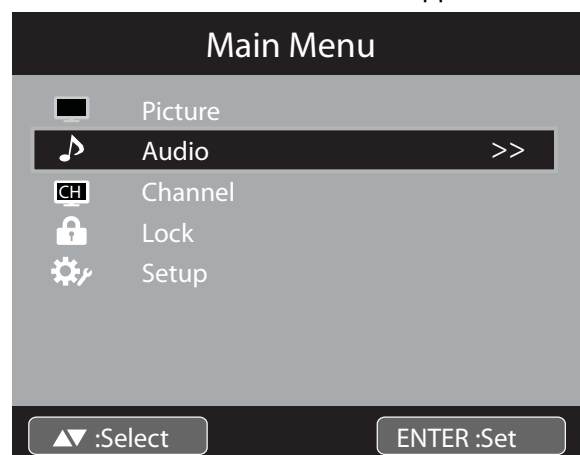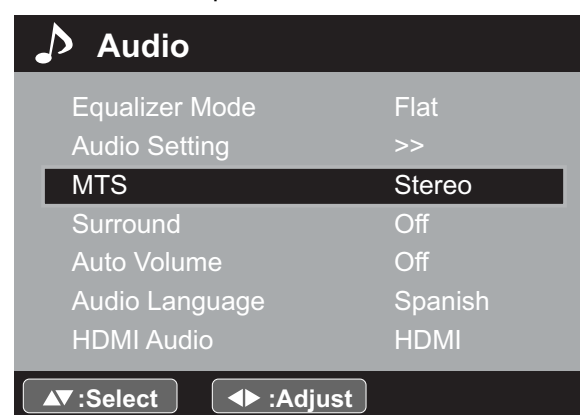
3 Press ▲ or ▼ to select **MTS**, then press ◀ or ▶ to change the setting. You can select:
- **Stereo**—To receive the audio in stereo.
- **SAP**—To receive the SAP (Second Audio Program).
- **Mono**—To receive the audio in monaural.

4 Press **EXIT** to return to the normal screen.

Changing the surround setting

The dynamic presence and sound created offers a thoroughly enjoyable listening experience.

To change the surround setting:

1 Press **MENU**. The *Main Menu* screen appears.

Main Menu

■	Picture	
♪	Audio	>>
CH	Channel	
🔒	Lock	
⚙	Setup	

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

♪ Audio

Equalizer Mode	Flat
Audio Setting	>>
MTS	Stereo
Surround	Off
Auto Volume	Off
Audio Language	Spanish
HDMI Audio	HDMI

▲▼ :Select   ◀▶ :Adjust
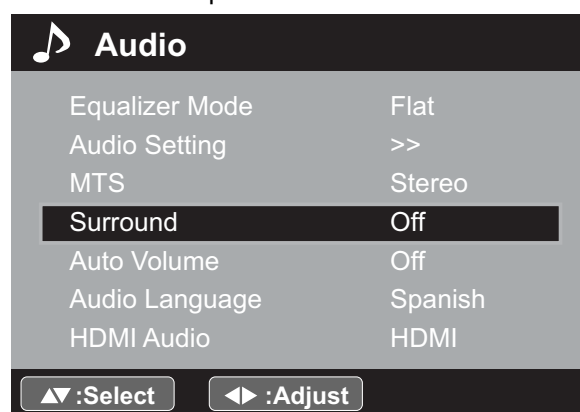
3 Press ▲ or ▼ to select **Surround**, then press ◀ or ▶ to change the setting. You can select:
- **On**—To turn surround sound on.
- **Off**—To turn surround sound off.

4 Press **EXIT** to return to the normal screen.

Changing the auto volume setting

The volume level is automatically adjusted to be consistent across programs and channels.

To change the auto volume setting:

1 Press **MENU**. The *Main Menu* screen appears.

Main Menu

■	Picture	
♪	Audio	>>
CH	Channel	
🔒	Lock	
⚙	Setup	

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

♪ Audio

Equalizer Mode	Flat
Audio Setting	>>
MTS	Stereo
Surround	Off
Auto Volume	Off
Audio Language	Spanish
HDMI Audio	HDMI

▲▼ :Select   ◀▶ :Adjust
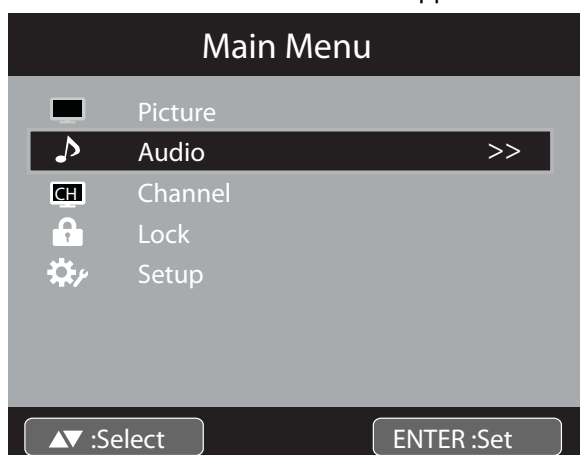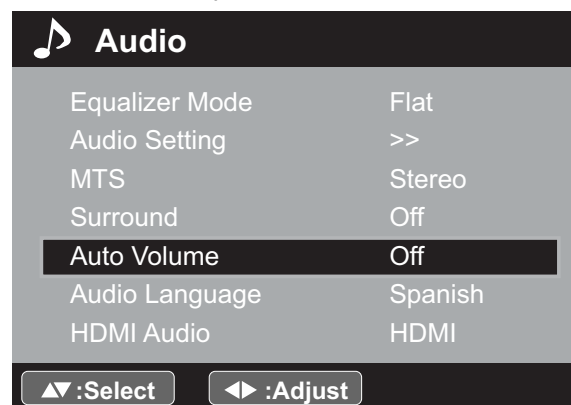
3 Press ▲ or ▼ to select **Auto Volume**, then press ◀ or ▶ to change the setting. You can select:
- **On**—To turn auto volume on.
- **Off**—To turn auto volume off.

4 Press **EXIT** to return to the normal screen.

Changing the audio language

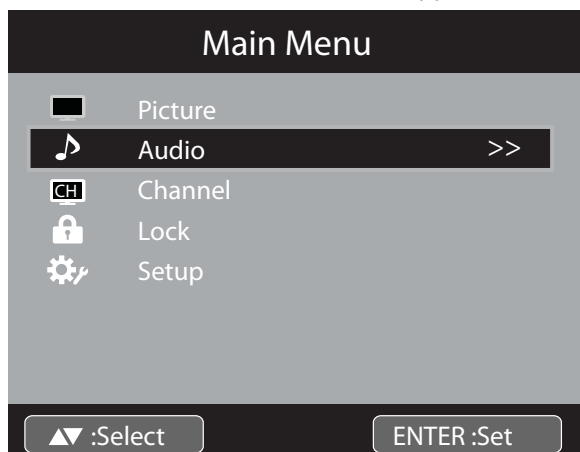When two or more audio languages are included in a digital signal, you can select one of them. (This function is available only for digital broadcasts.)

To change the audio language:

1 Press **MENU**. The *Main Menu* screen appears.

Main Menu

■	Picture	
♪	Audio	>>
CH	Channel	
🔒	Lock	
⚙	Setup	

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

♪ Audio

Equalizer Mode	Flat
Audio Setting	>>
MTS	Stereo
Surround	Off
Auto Volume	Off
Audio Language	Spanish
HDMI Audio	HDMI

▲▼ :Select   ◀▶ :Adjust
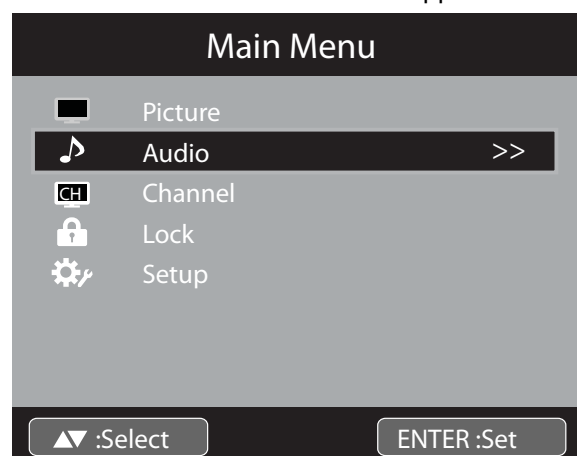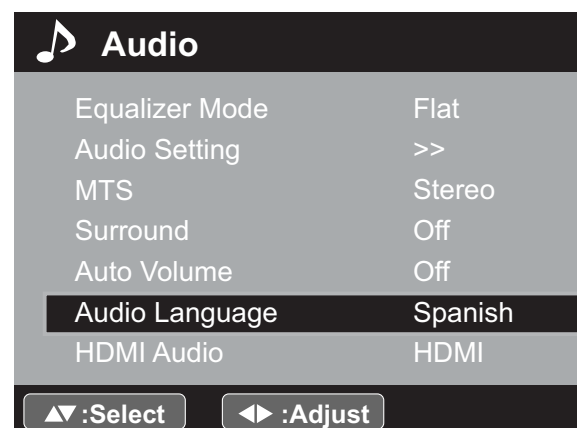
3 Press ▲ or ▼ to select **Audio Language**, then press ◀ or ▶ to change the setting. You can select any of the languages available.

4 Press **EXIT** to return to the normal screen.

Changing the HDMI audio setting

The HDMI input receives digital audio and uncompressed video from an HDMI equipped device or uncompressed digital video from a DVI equipped device. When you connect a DVI equipped device to this TV with an HDMI-to-DVI adaptor cable, it only carries the video signal. Therefore, you will also need to connect separate analog audio leads. Use this setting to select the correct audio source.

To change the HDMI audio setting:

1   Press **MENU**. The *Main Menu* screen appears.

```
                    Main Menu

    ▬       Picture
    ♪       Audio                       >>
    CH      Channel
    🔒      Lock
    ⚙       Setup



      ▲▼ :Select              ENTER :Set
```

2   Press ▲ or ▼ to select **Audio**, then press ▶ or **ENTER**. The *Audio* menu opens.

```
    ♪   Audio

        Equalizer Mode         Flat
        Audio Setting          >>
        MTS                    Stereo
        Surround               Off
        Auto Volume            Off
        Audio Language         Spanish
        HDMI Audio             HDMI

     ▲▼ :Select        ◀▶ :Adjust
```
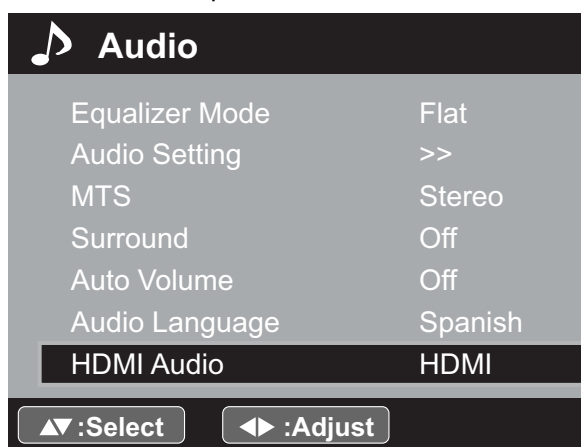
3   Press ▲ or ▼ to select **HDMI Audio**, then press ◀ or ▶ to change the setting. You can select:

   • **HDMI** —Select this setting when you use an HDMI cable to connect a signal source to your TV.
   • **DVI**—Select this setting when you use an HDMI-DVI cable to connect a video source to your TV and analog audio cables to connect the audio.

4   Press **EXIT** to return to the normal screen.

Changing channel settings

Setting the signal type

To set the Signal Type:

1   Change Input Mode to **TV**, if not already selected.
2   Press **MENU**. The *Main Menu* screen appears.

```
                    Main Menu

    ▬       Picture
    ♪       Audio
    CH      Channel                     >>
    🔒      Lock
    ⚙       Setup



      ▲▼ :Select              ENTER :Set
```
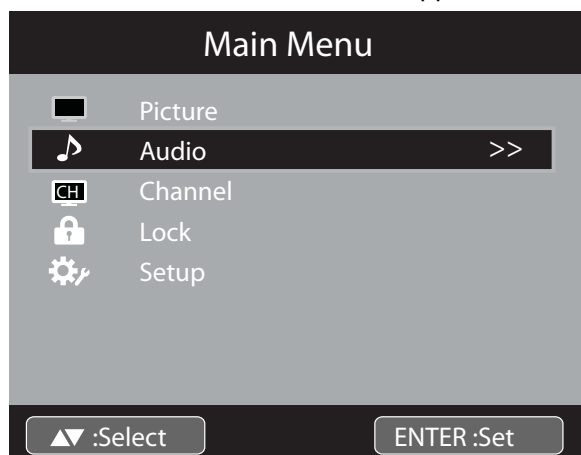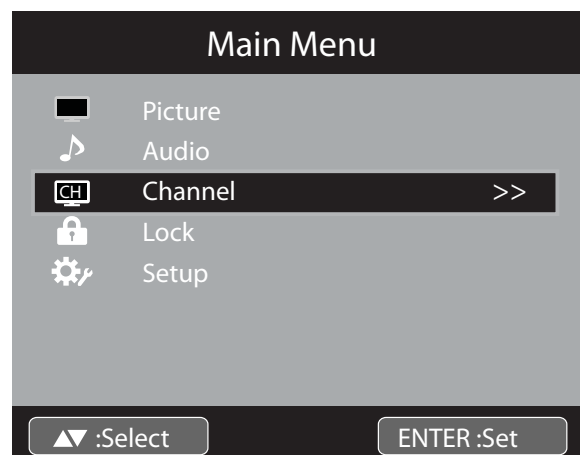
3   Press ▲ or ▼ to select **Channel**, then press ▶ or **ENTER**. The *Channel* menu opens.
4   Press ▲ or ▼ to select **Auto Ch Memory**, then press ▶ or **ENTER**. The *Auto Ch Memory* screen opens.

```
    CH  Auto Ch Memory

        Signal Type            Cable
        Automatic Search       Start




     ▲▼ :Select      ◀▶ :Adjust
```
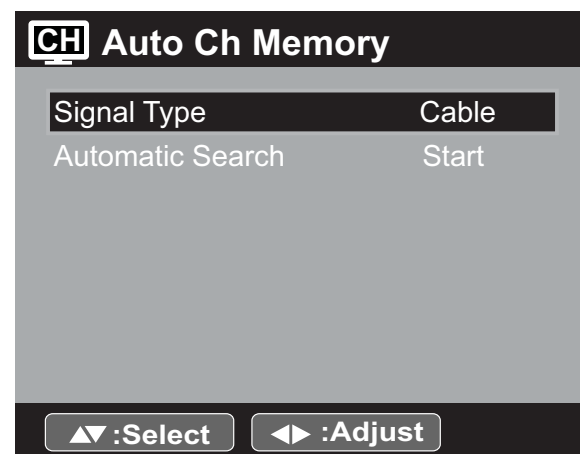
5   Press ▲ or ▼ to select **Signal Type**, then press ◀ or ▶ to select **Air** or **Cable**.
6   Press **EXIT** to return to the normal screen.

Automatically searching for channels

To automatically search for channels:

1 Press **MENU**. The *Main Menu* screen appears.

> ### Main Menu
>
> ▪   Picture
> ♪   Audio
> CH   Channel   >>
> 🔒   Lock
> ⚙   Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Channel**, then press ▶ or **ENTER**. The *Channel* menu opens.

3 Press ▲ or ▼ to select **Auto Ch Memory**, then press ▶ or **ENTER**. The *Auto Ch Memory* screen opens.

> CH **Auto Ch Memory**
>
> Signal Type   Cable
> Automatic Search   Stop
>
> Analog Channel Found : 0
> Digital Channel Found : 0
>
> Programming Now
>
> ▲▼ :Select   ENTER :Cancel

4 Press ▲ or ▼ to select **Automatic Search**, then press ▶ or **ENTER**. The TV begins memorizing all the channels available in your area.
It may take from 15 minutes to 30 minutes to complete memorizing digital cable channels. Depending on the reception, a bar display may not advance for several minutes.

Notes:

- *Memorizing channels is best accomplished during evening "PRIMETIME" hours, as more stations are broadcasting digital signals. Memorizing channels can only be accomplished while a station is broadcasting a digital signal to set that channel into memory.*
- *If you are unsure of the digital channels available in your area, you may visit www.antennaweb.org to receive a list based on your address or zip code.*
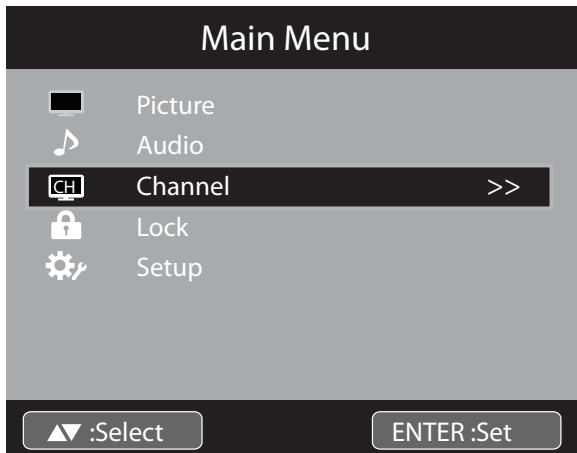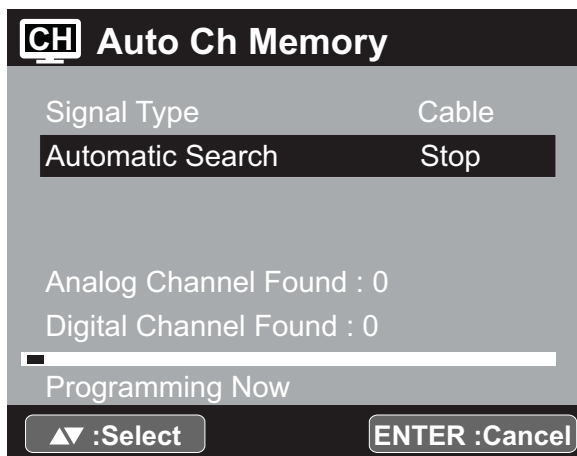- *Should you require further assistance you may call the Dynex Customer Care Center 1-800-305-2204.*
- *New digital channels may be added to your area periodically, it is recommended to perform the "Automatic Search" procedure regularly.*

Memorizing channels

This TV is equipped with a channel memory feature which lets you skip up or down to the next channel set into memory, skipping over unwanted channels. Before selecting channels, they must be programmed into the TV's memory. To use this TV with an antenna, set the **Signal Type** option to the **Air** mode. See "Setting the signal type" on page 24. When shipped from the factory, this menu option is in the **Cable** mode.

Adding a new channel to memory

If you find a new digital channel, you can add the new channel into the channel memory.

To add channels to memory:

1 Tune to the new channel.
2 Press **MENU**. The *Main Menu* screen appears.
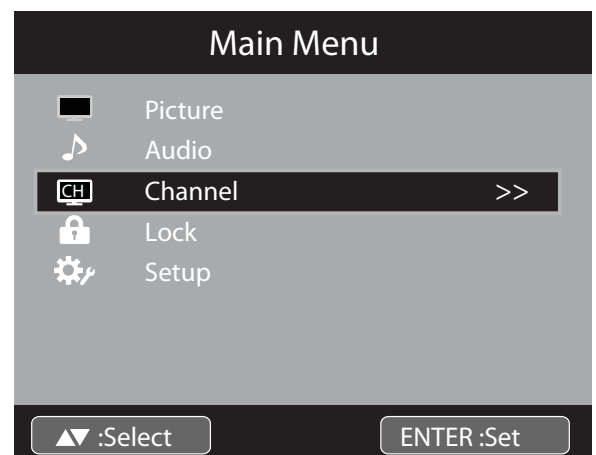
> ### Main Menu
>
> ▪   Picture
> ♪   Audio
> CH   Channel   >>
> 🔒   Lock
> ⚙   Setup
>
> ▲▼ :Select   ENTER :Set

3 Press ▲ or ▼ to select **Channel**, then press ▶ or **ENTER**. The *Channel* menu opens.

> CH **Channel**
>
> Add/Delete   >>
> DTV Signal   >>
> Auto Ch Memory   >>
> Ch Label   >>
>
> ▲▼ :Select   ENTER :Set

4   Press ▲ or ▼ to select **Add/Delete**, then press ▶ or **ENTER**. The *Add/Delete* screen opens.

CH Add/Delete

Adding Channel	>>
Add/Delete	>>
Clear All	>>

▲▼ :Select   ENTER :Set
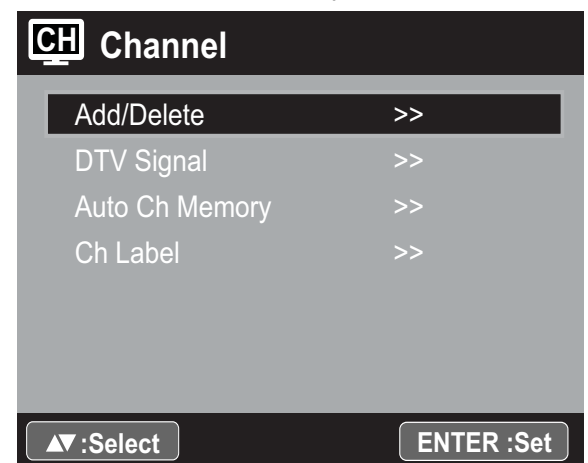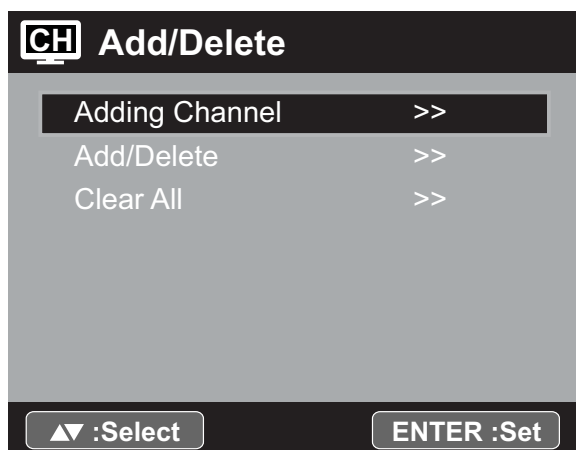
5   Press ▲ or ▼ to select **Adding Channel**, then press ▶ or **ENTER**. The new channel is added to the channel memory.

6   Press **EXIT** to return to the normal screen.

Deleting channels from memory

To delete a channel from memory:

1   Press **MENU**. The *Main Menu* screen appears.
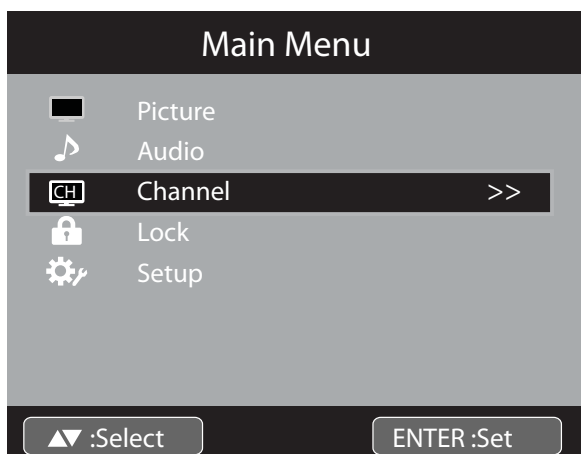
Main Menu

■	Picture	
♪	Audio	
CH	Channel	>>
🔒	Lock	
⚙	Setup	

▲▼ :Select   ENTER :Set

2   Press ▲ or ▼ to select **Channel**, then press ▶ or **ENTER**. The *Channel* menu opens.

CH Channel

Add/Delete	>>
DTV Signal	>>
Auto Ch Memory	>>
Ch Label	>>

▲▼ :Select   ENTER :Set

3   Press ▲ or ▼ to select **Add/Delete**, then press ▶ or **ENTER**. The *Add/Delete* screen opens.

CH Add/Delete

Adding Channel	>>
Add/Delete	>>
Clear All	>>

▲▼ :Select   ENTER :Set
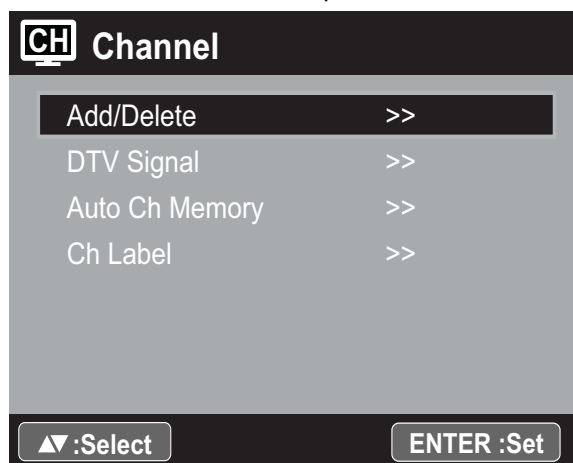
4   Press ▲ or ▼ to select **Add/Delete**, then press ▶ or **ENTER**. The *Add/Delete* submenu opens.

CH Add/Delete

	CH	Signal	
▲			
	2	Analog	Add
	3	Analog	Add
	3-1	Digital	Delete
	3-2	Digital	Add
	4	Analog	Delete
▼			

▲▼ :Select   ◄► :Adjust

5   Press ▲ or ▼ to select the channel you want to delete, then press ◄ or ▶ to select **Delete**.

6   Repeat Step 5 to delete additional channels.

7   Press **EXIT** to return to the normal screen.

Clearing all channels from memory

To clear all channels from memory:

1   Press **MENU**. The *Main Menu* screen appears.

Main Menu

■	Picture	
♪	Audio	
CH	Channel	>>
🔒	Lock	
⚙	Setup	

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Channel**, then press ▶ or **ENTER**. The *Channel* menu opens.

CH Channel	
Add/Delete	>>
DTV Signal	>>
Auto Ch Memory	>>
Ch Label	>>
▲▼ :Select	ENTER :Set

3 Press ▲ or ▼ to select **Add/Delete**, then press ▶ or **ENTER**. The *Add/Delete* screen opens.

CH Add/Delete	
Adding Channel	>>
Add/Delete	>>
Clear All	>>
▲▼ :Select	ENTER :Set

4 Press ▲ or ▼ to select **Clear All**, then press ▶ or **ENTER**.
5 Press **EXIT** to return to the normal screen.

Checking the digital signal strength

To check the digital signal strength:
1 Press **MENU**. The *Main Menu* screen appears.

Main Menu	
🖵 Picture	
♪ Audio	
CH Channel	>>
🔒 Lock	
⚙ Setup	
▲▼ :Select	ENTER :Set

2 Press ▲ or ▼ to select **Channel**, then press ▶ or **ENTER**. The *Channel* menu opens.

CH Channel	
Add/Delete	>>
DTV Signal	>>
Auto Ch Memory	>>
Ch Label	>>
▲▼ :Select	ENTER :Set
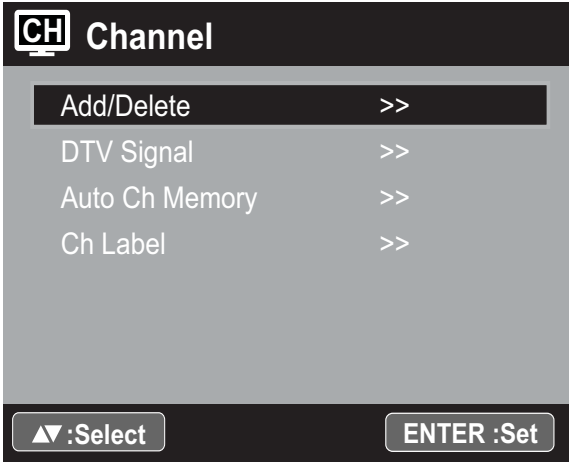
3 Press ▲ or ▼ to select **DTV Signal**, then press ▶ or **ENTER**. The *DTV Signal* screen opens.

CH DTV Signal
0   50   100
Signal Level ▭▭▭▭▭▭▭
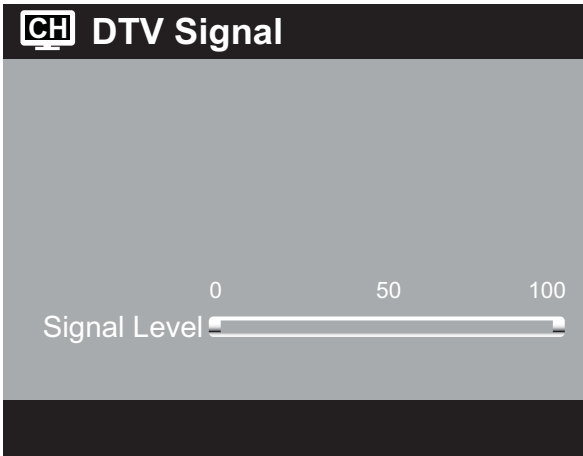
Adjust the direction of the antenna to obtain the maximum signal strength.

Notes:

- *Signal meter is not available for analog channels.*
- *After 240 seconds,* DTV Signal *screen returns to normal TV operation automatically.*

Labeling channels

Channel labels appear with the channel number display each time you turn on the TV, select a channel, or press **INFO**.
You can choose any four characters to identify a channel.
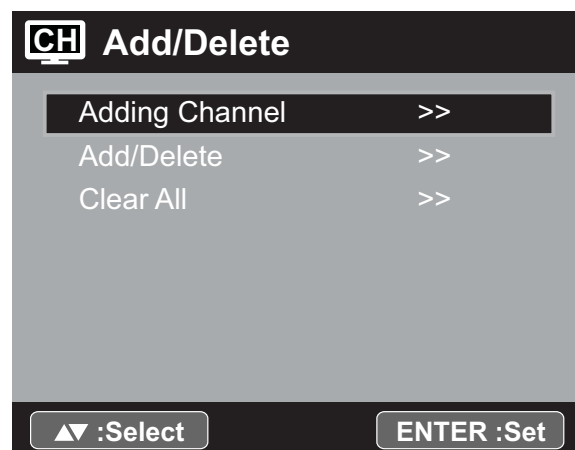
To create channel labels:
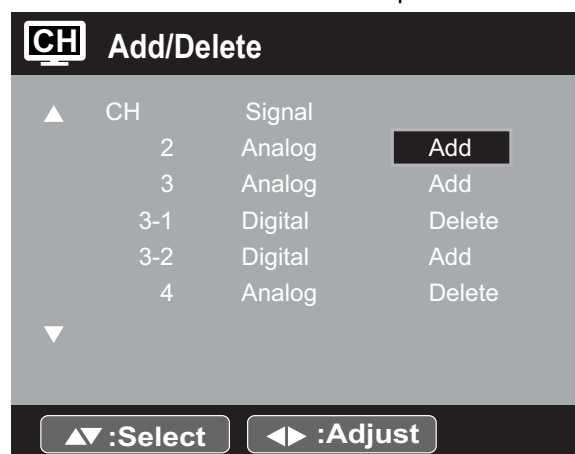
1 Press **MENU**. The *Main Menu* screen appears.
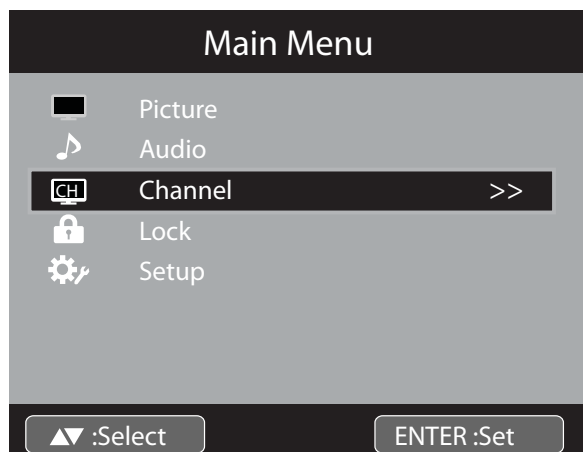
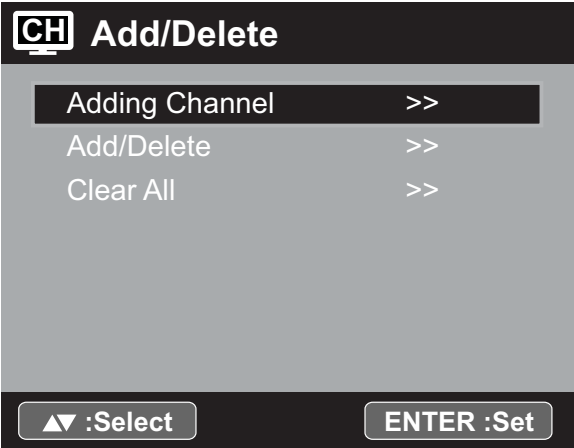2 Press ▲ or ▼ to select **Channel**, then press ▶ or **ENTER**. The *Channel* menu opens.
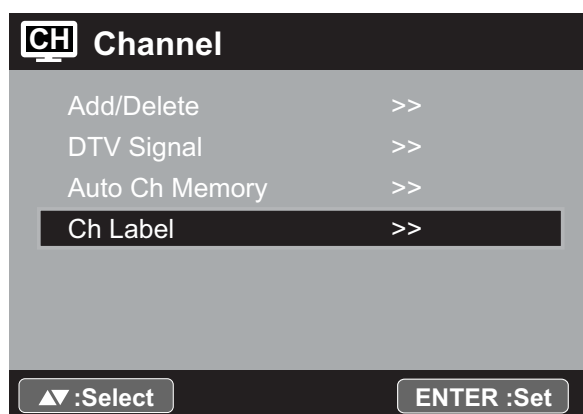
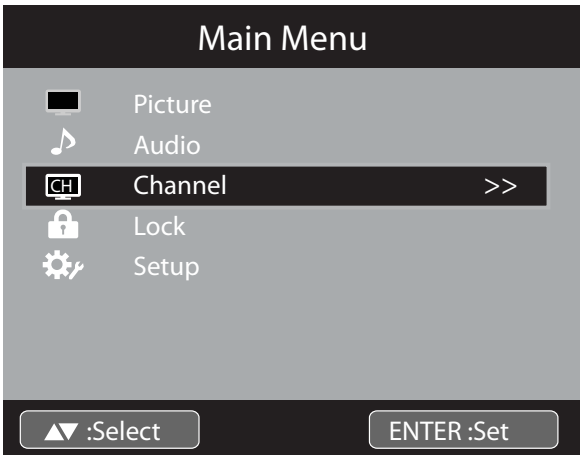3 Press ▲ or ▼ to select **Ch Label**, then press ▶ or **ENTER**. The *Ch Label* screen opens.
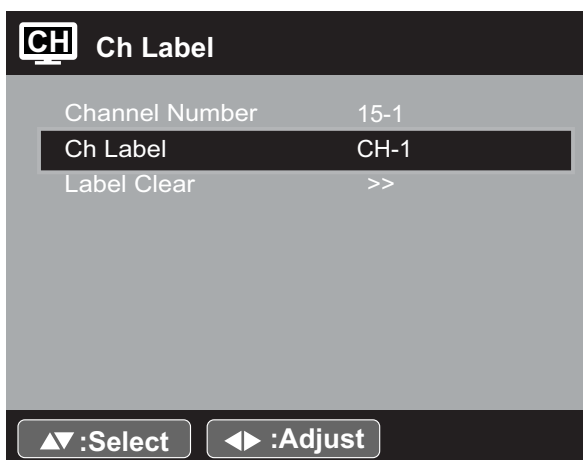
4 Press ◀ or ▶ to select the channel you want to label, then press ▼ to select **Ch Label**.

5 Press ◀ or ▶ repeatedly until the character you want appears in the first space.
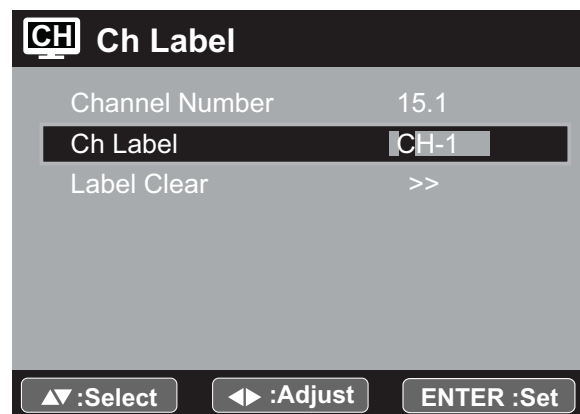
Character rotation is shown below.
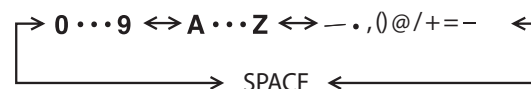
When the character you want appears, press **ENTER**. Repeat this step to enter the rest of the characters. If you want a blank space in the label name, you must choose the empty space from the list of characters.

6 Repeat steps 4-5 for other channels. You can assign a label to each channel.

7 When you finish inputting the label name, press **EXIT** to return to the normal screen.

Notes:

- *To clear a channel label, after step 3 above, press ▲ or ▼ to select* ***Label Clear****, then press ▶ or* ***ENTER****.*
- *The channel labels are reset after an Automatic Search.*

Setting parental controls

An age limitation can be set to restrict children from viewing or hearing inappropriate scenes or pictures that you may choose to exclude. The restriction applies to "TV Rating" and "Movie Rating" if this data is transmitted. You may set this restriction separately. To use the V-Chip function, you must register a password.

To register a password:

1 Press **MENU**. The *Main Menu* screen appears.
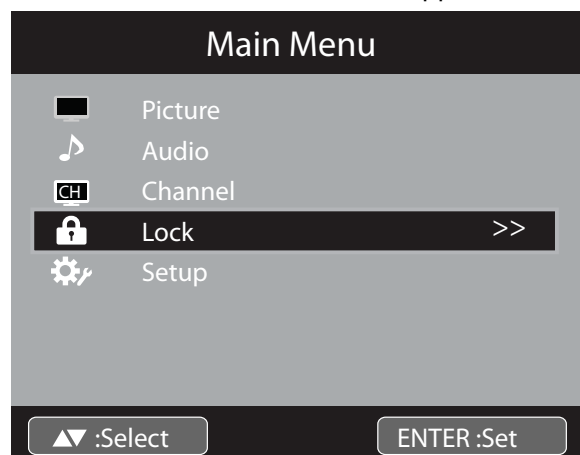
2 Press ▲ or ▼ to select **Lock**, then press ▶ or **ENTER**. The *Enter New Password* screen opens.

🔒 **Lock**

New Password   _ _ _ _

[0-9] :Enter Code   **ENTER :Set**

3 Select and enter your password (4 digits) using Number buttons (0-9), then press **ENTER.** An asterisk (*) appears as you enter each digit.
4 Enter the password again for confirmation. The *Lock* menu opens.

🔒 **Lock**

| V-Chip	Off
V-Chip Set	>>
V-Chip Set (DTV)	>>
Update	>>
V-Chip Clear	>>
Change Password	>>

▲▼ :Select   **◄► :Adjust**
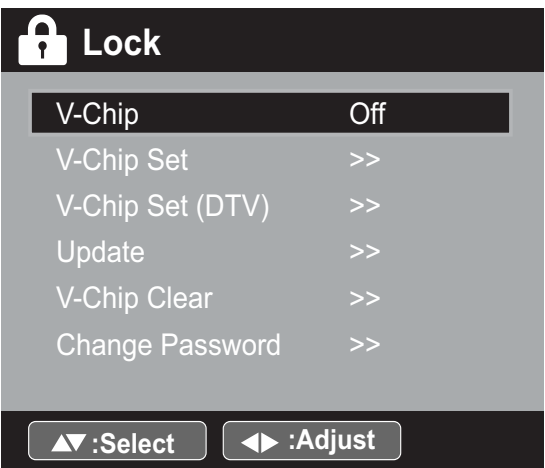
Notes:

- *If you forget the password, contact Customer Service at 1-800-305-2204 for assistance. Your original remote control is required.*
- *To avoid forgetting the password, write it down and keep in a safe place.*

Setting parental control levels

To set parental control levels:

1 Press **MENU**. The *Main Menu* screen appears.
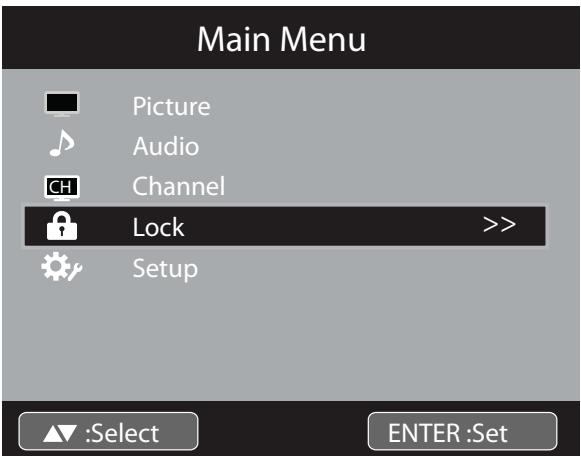
Main Menu

▪	Picture	
♪	Audio	
CH	Channel	
🔒	Lock	>>
⚙	Setup	

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Lock**, then press ▶ or **ENTER**. The *Password Enter* screen opens.

🔒 **Lock**

Password   _ _ _ _

[0-9] :Enter Code   **ENTER :Set**

3 Enter your password (4 digits) using Number buttons (0-9), then press **ENTER.** The *Lock* menu opens.

🔒 **Lock**

V-Chip	Off
V-Chip Set	>>
V-Chip Set (DTV)	>>
Update	>>
V-Chip Clear	>>
Change Password	>>

▲▼ :Select   **◄► :Adjust**
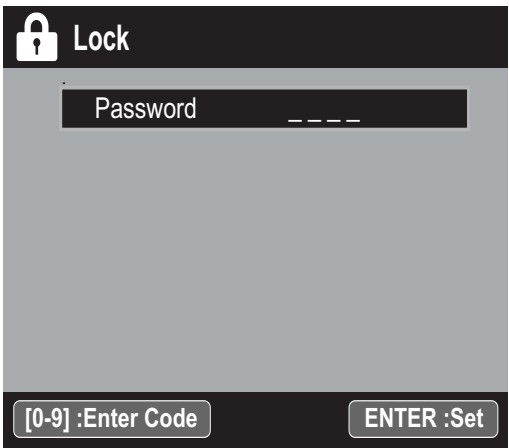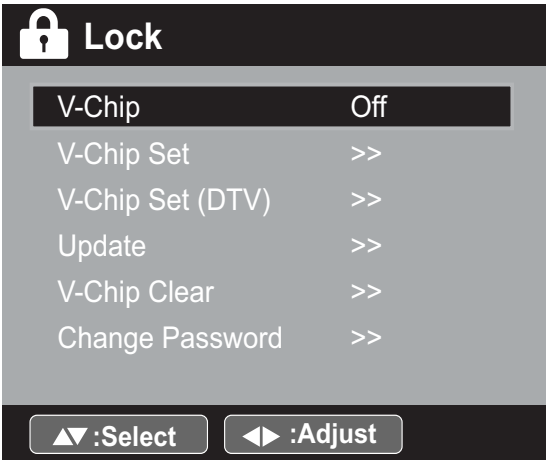
4 Press ▲ or ▼ to select **V-Chip**, then press ◄ or ▶ to select **On**.

5 Press ▲ or ▼ to select **V-Chip Set**, then press ▶ or **ENTER**. The *V-Chip Set* menu opens.

🔒 **V-Chip Set**

TV Rating	>>
Movie Rating	>>
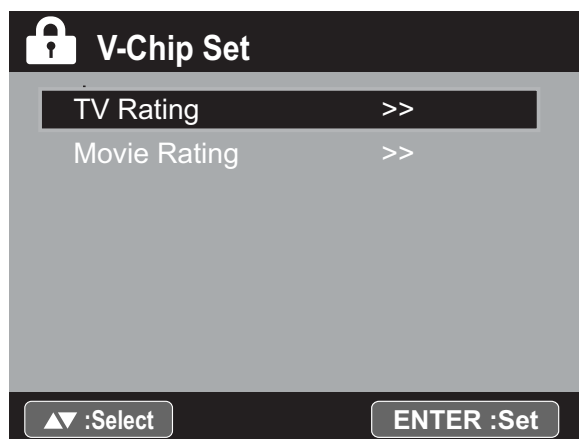
▲▼ :Select   ENTER :Set

6 Press ▲ or ▼ to select the rating type you want to set, then press ▶ or **ENTER**. You can choose to set **TV Rating** or **Movie Rating**. The rating screen that you selected opens.

🔒 **TV Rating**

TV-Y	🔒
TV-Y7	🔒
TV-G	🔒
TV-PG	🔒
TV-14	🔒
TV-MA	🔒

▲▼ :Select   ENTER :Set

🔒 **Movie Rating**

G	🔒
PG	🔒
PG-13	🔒
R	🔒
NC-17	🔒
X	🔒

▲▼ :Select   ENTER :Set

Ratings

U.S. TV ratings (age-based)	
TV-Y	All children
TV-Y7	Children over seven years of age
TV-G	General audiences
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audiences only

U.S. TV ratings (content-based)	
FV	Fantasy violence
L	Adult language
S	Sexual situations
V	Violence
D	Sexually suggestive dialog

U.S. movie (MPAA) ratings	
G	General audiences
PG	Parental guidance suggested
PG-13	Suitable for children 13 and older
R	Parental guidance suggested for children under 17
NC-17	Not suitable for children under 17
X	Adults only

7 Press ▲ or ▼ to select the desired rating, then press **ENTER**.

8 Press **EXIT** to return to the normal screen. The V-Chip function is now activated.

Note: The V-Chip function only affects programs and input sources that include a rating signal.

Changing your password

To change your password:

1 Press **MENU**. The *Main Menu* screen appears.
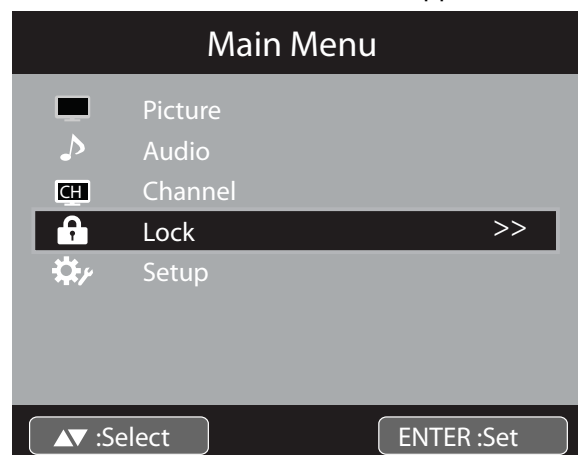
Main Menu

⬛	Picture	
♪	Audio	
CH	Channel	
🔒	Lock	>>
⚙	Setup	

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Lock**, then press ▶ or **ENTER**. The *Password Enter* screen opens.

🔒 **Lock**

Password   _ _ _ _

`[0-9] :Enter Code`   `ENTER :Set`

3 Enter your password (4 digits) using Number buttons (0-9), then press **ENTER.** The *Lock* menu opens.

🔒 **Lock**

V-Chip	Off
V-Chip Set	>>
V-Chip Set (DTV)	>>
Update	>>
V-Chip Clear	>>
Change Password	>>

`▲▼ :Select`   `◄► :Adjust`
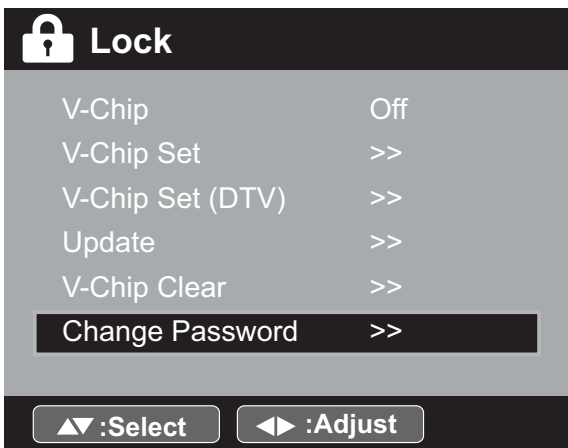
4 Press ▲ or ▼ to select **Change Password**, then press ▶ or **ENTER**. The *Change Password* screen opens.

🔒 **Change Password**

New Password	_ _ _ _
Confirm Password	_ _ _ _

`[0-9] :Enter Code`   `ENTER :Set`
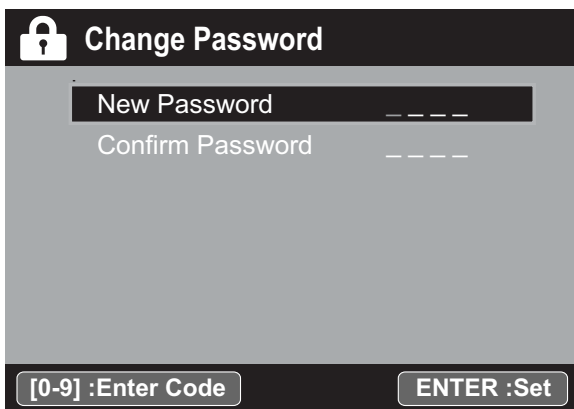
5 Enter your new password (4 digits) using Number buttons (0-9), then press **ENTER.**
6 Enter the same password again to confirm, the press **ENTER**. The new password is now registered.

Downloading rating information

As a supplement to the standard V-Chip rating system, your television is able to download an additional rating system, if such a system becomes available in the future.

To download rating information:
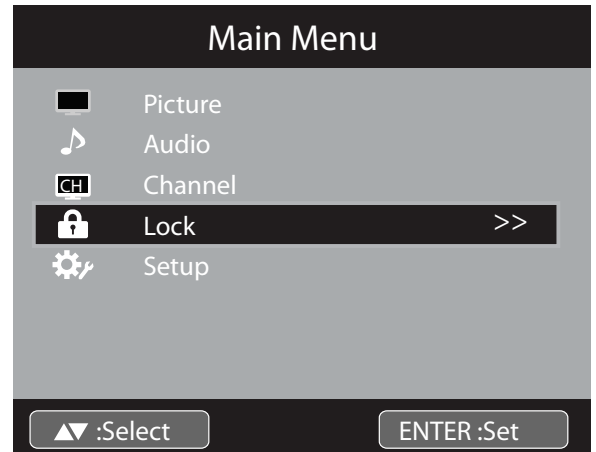
1 Press **MENU**. The *Main Menu* screen appears.

Main Menu

▪ Picture	
♪ Audio	
CH Channel	
🔒 Lock	>>
⚙ Setup	

`▲▼ :Select`   `ENTER :Set`

2 Press ▲ or ▼ to select **Lock**, then press ▶ or **ENTER**. The *Password Enter* screen opens.

🔒 **Lock**

Password   _ _ _ _

`[0-9] :Enter Code`   `ENTER :Set`

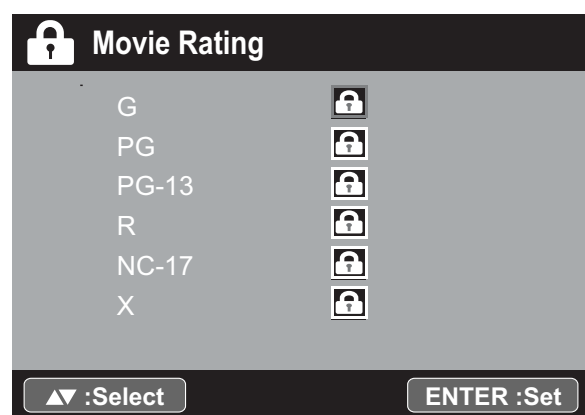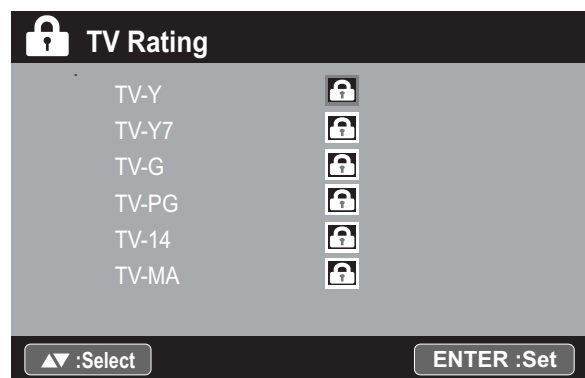**3** Enter your password (4 digits) using Number buttons (0-9), then press **ENTER.** The *Lock* menu opens.

🔒 **Lock**

V-Chip	Off
V-Chip Set	>>
V-Chip Set (DTV)	>>
Update	>>
V-Chip Clear	>>
Change Password	>>

`▲▼ :Select`   `◄► :Adjust`
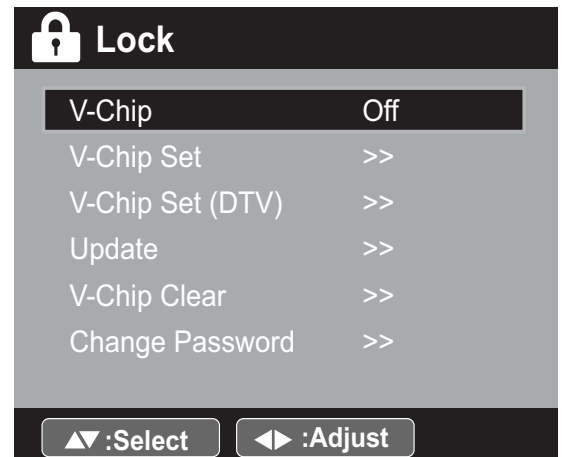
4 Press ▲ or ▼ to select **V-Chip**, then press ◄ or ▶ to select **On**.
5 Press ▲ or ▼ to select **V-Chip Set (DTV)**, then press ▶ or **ENTER**.

If the TV is not currently storing the additional rating system, the TV begins downloading it, which may take some time to be completed.

6 Set your preferred content rating limits for the additional rating system. You also need to perform the update procedure to update rating information.

Notes:

- *You can only download the additional V-Chip rating system when your TV is receiving a digital signal.*
- *When you download the additional rating system, it may take some time for the download to occur.*
- *The V-Chip rating information and system are not determined or controlled by the TV.*
- *The standard V-Chip rating system is available whether your TV is receiving a digital signal or not, and will block both analog and digital programs. To set the restriction level using the standard V-Chip rating system, select **V-Chip Set** in step 4.*
- *The downloadable V-Chip rating system is an evolving technology, and availability, content, and format may vary.*
- *You cannot select this feature if the TV is not receiving a digital signal for the current station.*

Clearing V-Chip settings

To clear the all V-Chip settings:

1 Press **MENU**. The *Main Menu* screen appears.
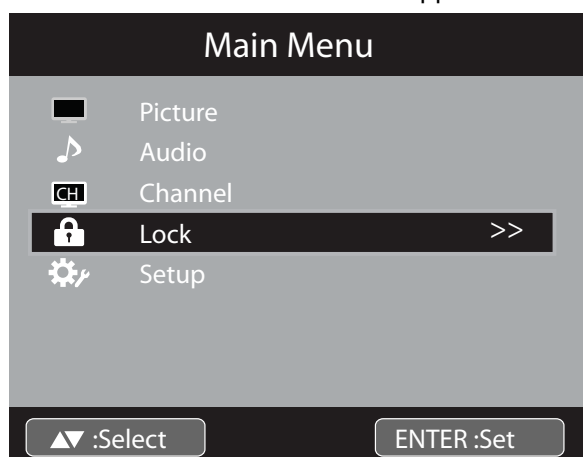
> ### Main Menu
> - ▬ Picture
> - ♪ Audio
> - [CH] Channel
> - 🔒 Lock   >>
> - ⚙ Setup
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Lock**, then press ▶ or **ENTER**. The *Password Enter* screen opens.

> 🔒 **Lock**
>
> Password   _ _ _ _
>
> [0-9] :Enter Code   ENTER :Set

3 Enter your password (4 digits) using Number buttons (0-9), then press **ENTER.** The *Lock* menu opens.

> 🔒 **Lock**
>
> | V-Chip | Off |
> |---|---|
> | V-Chip Set | >> |
> | V-Chip Set (DTV) | >> |
> | Update | >> |
> | V-Chip Clear | >> |
> | Change Password | >> |
>
> ▲▼ :Select   ◀▶ :Adjust
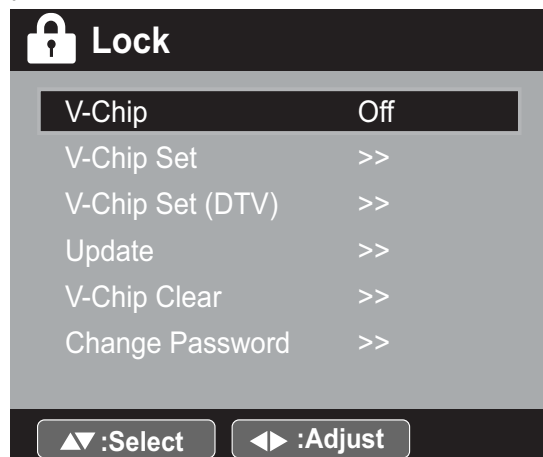
4 Press ▲ or ▼ to select **V-Chip**, then press ▶ or **ENTER** to select **On**.

5 Press ▲ or ▼ to select **V-Chip Clear**, then press ▶ or **ENTER** . The *V-Chip Clear* screen opens.

> 🔒 **V-Chip Clear**
>
> Password   _ _ _ _
>
> [0-9] :Enter Code   ENTER :Set
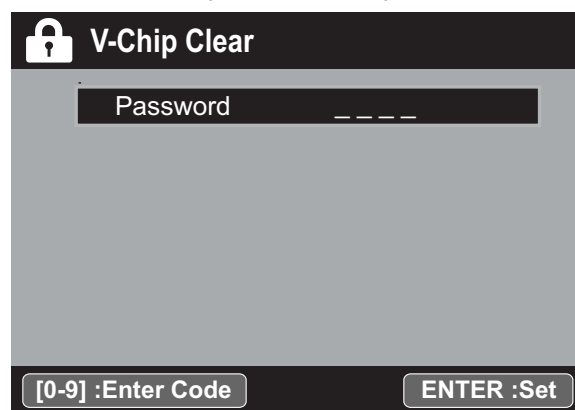
6 Enter your password (4 digits) using Number buttons (0-9), then press **ENTER**. All of your settings return to factory default.

Changing the TV setup

Using closed captioning

This television has the capability to decode and display Closed Captioned television programs. Closed Captioning displays text on the screen for hearing impaired viewers or it translates and displays text in another language.
Captions–This closed caption mode displays text on the screen in English or another language. Generally, closed captions in English are transmitted on C1 and closed captions in other languages are transmitted on C2.
Text–The text closed caption mode usually fills half of the screen with a programming schedule or other information.

To setup closed captioning:

1 Press **MENU**. The *Main Menu* screen appears.

> ### Main Menu
> ■ Picture
> ♪ Audio
> CH Channel
> 🔒 Lock
> ⚙ Setup   >>
>
> ▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.

> ### ⚙ Setup
> Closed Caption   >>
> Language   English
> Video Label   >>
> On Timer   Off
> Auto Shut Off   On
> Auto Setup   >>
> ▼
>
> ▲▼ :Select   ENTER :Set

3 Press ▲ or ▼ to select **Closed Caption**, then press ▶ or **ENTER**. The *Closed Caption* menu opens.

> ### ⚙ Closed Caption
> CC Setting   Off
> CC Priority   Digital CC
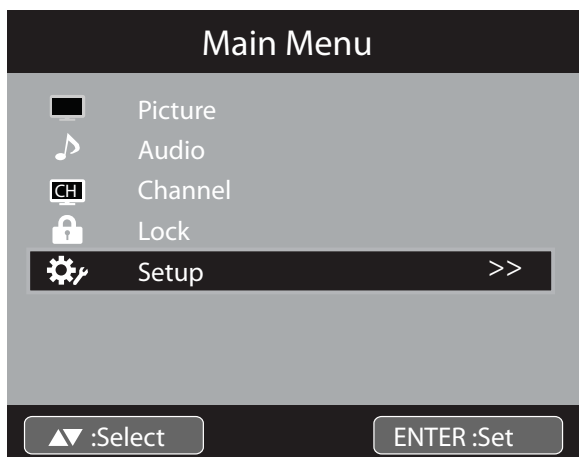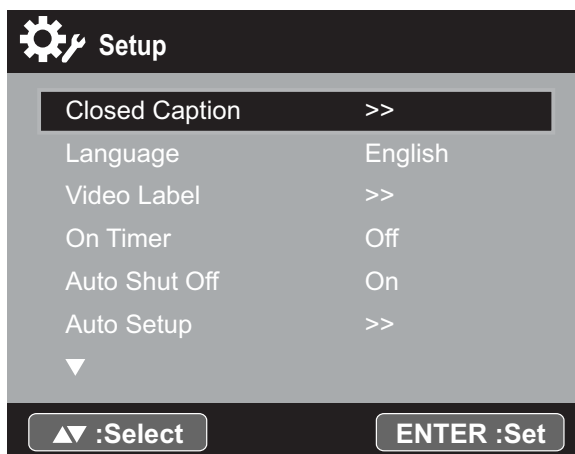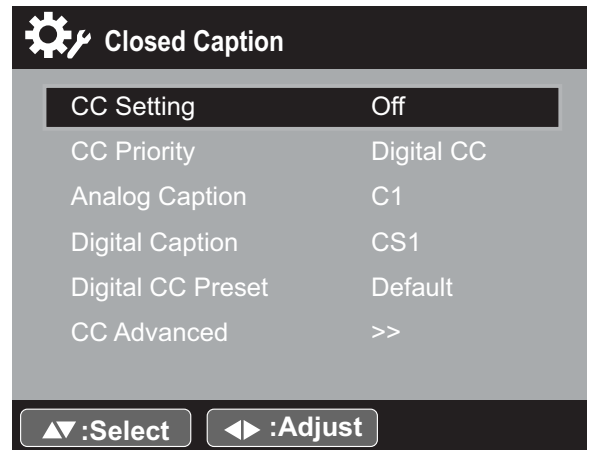> Analog Caption   C1
> Digital Caption   CS1
> Digital CC Preset   Default
> CC Advanced   >>
>
> ▲▼ :Select   ◀▶ :Adjust

4 Press ◀ or ▶ to set **CC Setting** to **On** (turns closed captioning on), to display closed captions on the screen.

5 Press ▲ or ▼ to select **Analog Caption** or **Digital Caption**.
When you select **Analog Caption**, you can choose from C1, C2, C3, C4, T1, T2, T3, or T4.
When you select **Digital Caption**, you can choose from CS1, CS2, CS3, CS4, CS5, or CS6.

6 Press ◀ or ▶ to select the desired closed caption mode for either Digital or Analog Caption.

7 Press ▲ or ▼ to select **CC Priority**, then press ◀ or ▶ to select **Digital CC** or **Analog CC**.

> **Note***: Depending on the broadcast signal, some analog captions will function with a digital broadcast signal. This step prevents the two types of captions from overlapping.*

Notes:

- *If the program or video you selected is not closed captioned, no captions will display on-screen.*
- *If text is not available in your viewing area, a black rectangle may appear on-screen. If this happens, set the **CC Setting** to **Off.***
- *When selecting closed captions, the captioning will be delayed approx. 10 seconds.*
- *If no caption signal is received, no captions will appear, but the television will remain in Caption mode.*
- *Misspellings or unusual characters may occasionally appear during closed captioning. This is normal with closed captioning, especially with live programs. This is because during live programs, captions are also entered live. These transmissions do not allow time for editing.*
- *When captions are being displayed, on-screen displays, such as volume and mute may be seen but may interfere with closed captions.*
- *Some cable systems and copy protection systems may interfere with the closed captioned signal.*
- *If using an indoor antenna or if TV reception is very poor, the closed caption decoder may not appear or may appear with strange characters or misspelled words. In this case, adjust the antenna for better reception or use an outdoor antenna.*
- *The* Closed Caption *menu also can be displayed by pressing **CCD** on the remote control.*

Using advanced closed captioning

To use advanced closed captioning:
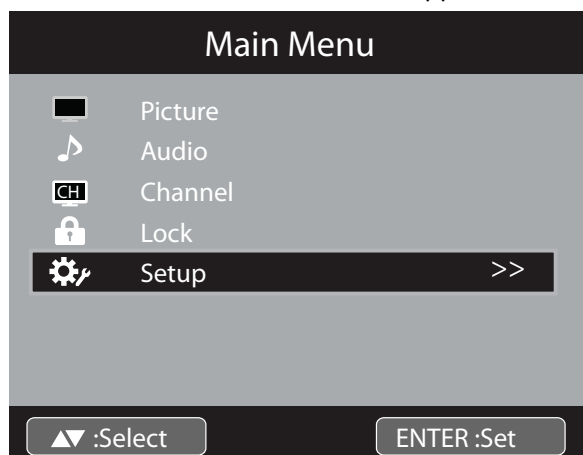
1 Press **MENU**. The *Main Menu* screen appears.

Main Menu

- ▪ Picture
- ♪ Audio
- CH Channel
- 🔒 Lock
- ⚙ Setup   >>

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.

⚙ Setup

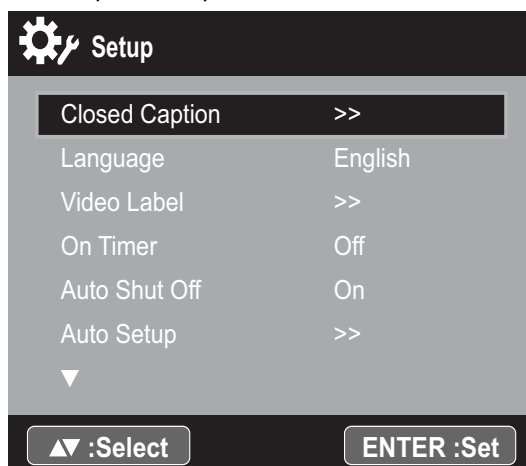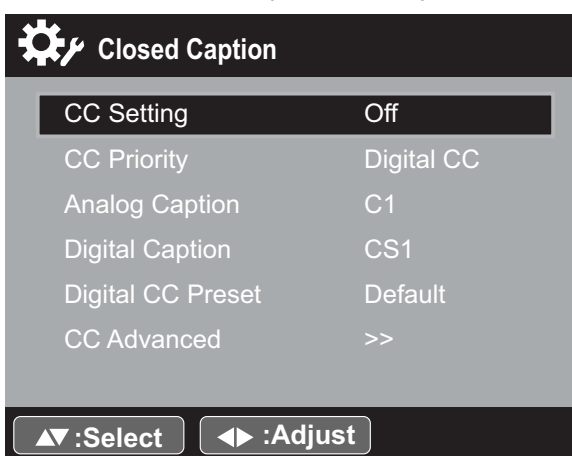| Closed Caption | >> |
Language	English
Video Label	>>
On Timer	Off
Auto Shut Off	On
Auto Setup	>>
▼	

▲▼ :Select   ENTER :Set

3 Press ▲ or ▼ to select **Closed Caption**, then press ▶ or **ENTER**. The *Closed Caption* menu opens.

⚙ Closed Caption

CC Setting	Off
CC Priority	Digital CC
Analog Caption	C1
Digital Caption	CS1
Digital CC Preset	Default
CC Advanced	>>

▲▼ :Select   ◀▶ :Adjust

4 Press ◀ or ▶ to set **CC Setting** to **On** (turns closed captioning on), to display closed captions on the screen.

5 Press ▲ or ▼ to select **Digital CC Preset**, then press ◀ or ▶ to select **Custom**.

6 Press ▲ or ▼ to select **CC Advanced**, then press ▶ or **ENTER**. The *CC Advanced* menu opens.

⚙ CC Advanced

Text Size	Auto
Text Type	Auto
Text Edge	Auto
Text Color	Auto
Text Opacity	Auto
Background Color	Auto
Background Opacity	Auto

▲▼ :Select   ◀▶ :Adjust
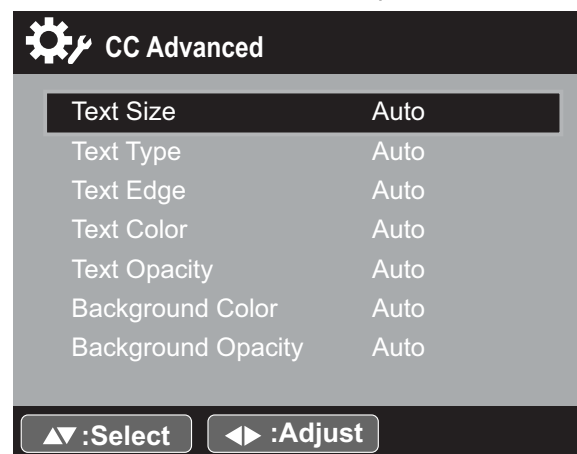
7 Press ▲ or ▼ to select the setting you want to change, then press ◀ or ▶ to change the setting. You can select the following items:

Text Size: Auto, Small, Standard, Large
Text Type: Auto, Style1, Style2, Style3, Style4, Style5, Style6, Style7
Text Edge: Auto, None, Raised, Depressed, Uniform, Left Shadow, Right Shadow
Text Color: Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan
Text Opacity: Auto, Solid, Transparent, Translucent, Flashing
Background Color: Auto, Black, White, Red, Green, Blue, Yellow, Magenta, Cyan
Background Opacity: Auto, Solid, Transparent, Translucent, Flashing

Notes:

- *You cannot set both **Text Color** and **Background Color** the same.*
- *You cannot set both **Text Opacity** and **Background Opacity** to **Transparent**.*

Changing the OSD language

You can choose from three different languages (English, Français [French], and Español [Spanish]) for the OSDs (on-screen displays). Select the language you prefer first, then proceed with the other menu options.

To change the OSD language:

1 Press **MENU**. The *Main Menu* screen appears.

Main Menu

- ▪ Picture
- ♪ Audio
- CH Channel
- 🔒 Lock
- ⚙ Setup   >>
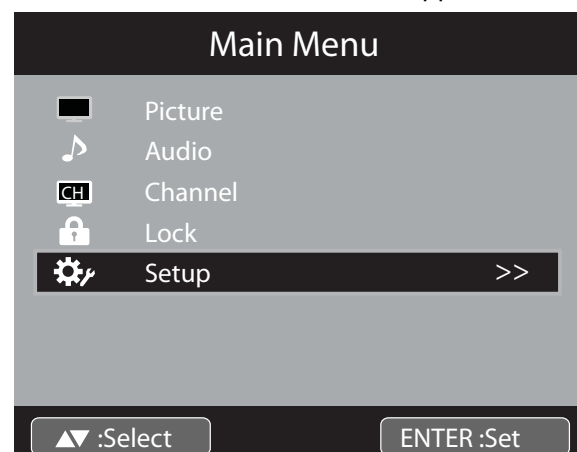
▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.
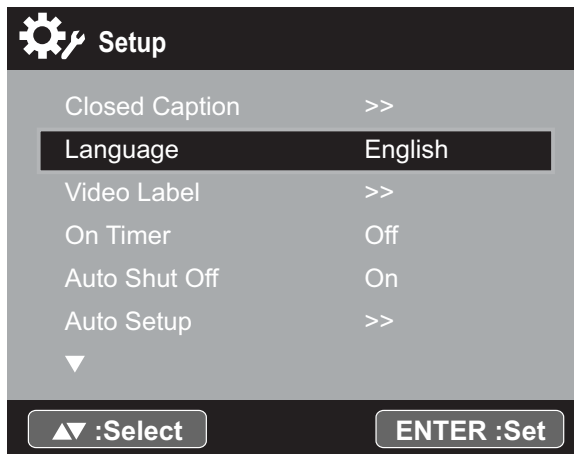
3 Press ▲ or ▼ to select **Language**, then press ◀ or ▶ to change the setting. You can select:
- **English**—To display the OSDs in English.
- **Français**—To display the OSDs in French.
- **Español**—To display the OSDs in Spanish.

4 Press **EXIT** to return to the normal screen.

Labeling video inputs

The Video Label feature lets you label each input source for your TV.

To label video inputs:

1 Press **MENU**. The *Main Menu* screen appears.

2 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.

3 Press ▲ or ▼ to select **Video Label**, then press ▶ or **ENTER**.

4 Press ▲ or ▼ to select the input that you want to label.

5 Press ◀ or ▶ to select the label you want to use (from several preset labels available, such as VCR, DVD, STB, Cable, Satellite, Receiver, Game, Camcorder, PC, DVI PC, Blu-ray, etc.).

6 Press **EXIT** to return to the normal screen.
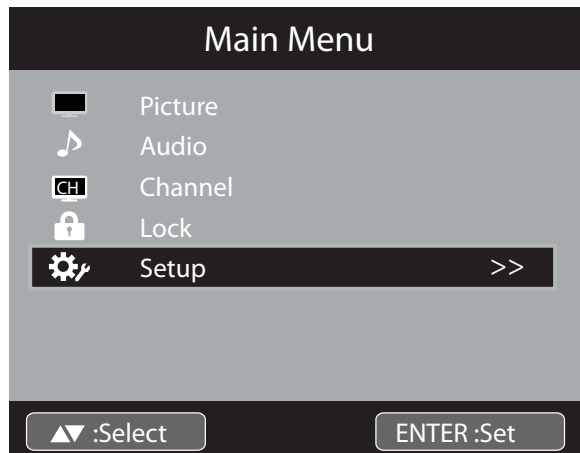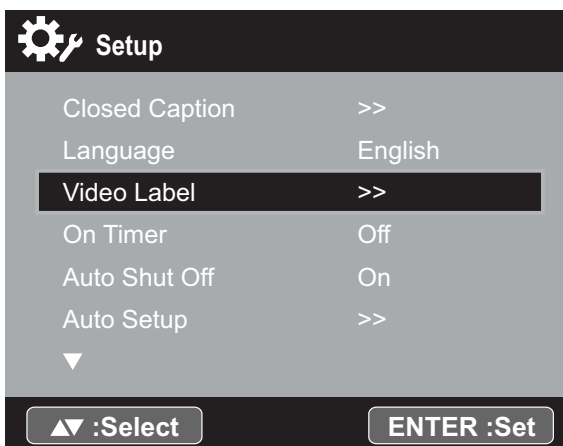
Setting the On Timer

You can set the On Timer to automatically turn on the TV. To cancel the On Timer select **Off.**

To set the On Timer:

1 Press **MENU**. The *Main Menu* screen appears.

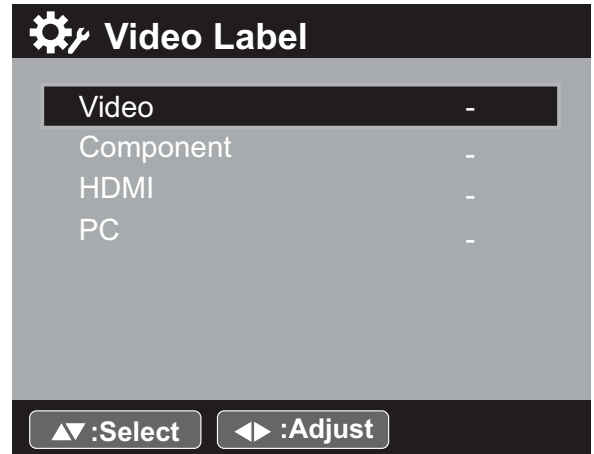**2** Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.

3 Press ▲ or ▼ to select **On Timer**, then press ◄ or ► to change the setting. You can select **Off, 0h30m,1h00m, 1h30m, 2h00m,** or **3h00m ⋯12h00m.**

4 Press **EXIT** to return to the normal screen.

Setting the Auto Shut Off

When the Auto Shut Off feature is set to **On**, the TV automatically shuts itself off when a station being viewed stops broadcasting and the TV is not operated for 15 minutes.

To set the Auto Shut Off:

1 Press **MENU**. The *Main Menu* screen appears.

> ## Main Menu
>
> ◼ Picture
> ♪ Audio
> CH Channel
> 🔒 Lock
> ⚙ Setup >>
>
> ▲▼ :Select | ENTER :Set

2 Press ▲ or ▼ to select **Setup**, then press ► or **ENTER**. The *Setup* menu opens.

> ⚙ **Setup**
>
> Closed Caption >>
> Language English
> Video Label >>
> On Timer Off
> Auto Shut Off On
> Auto Setup >>
> ▼
>
> ▲▼ :Select | ENTER :Set

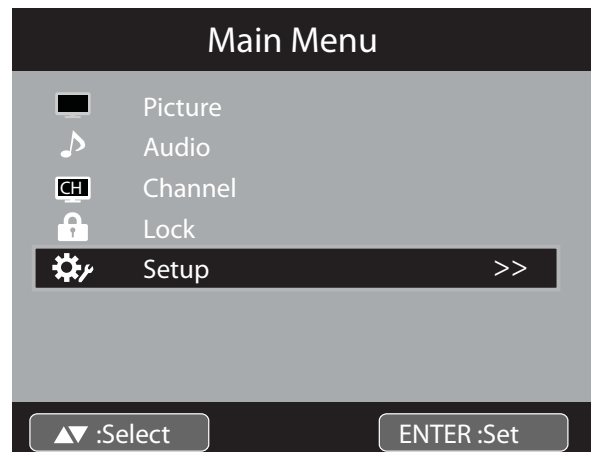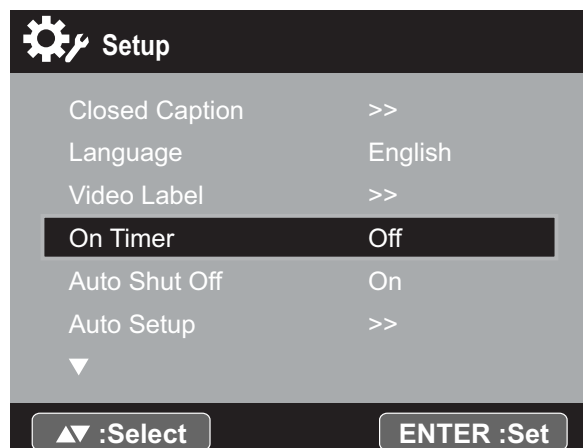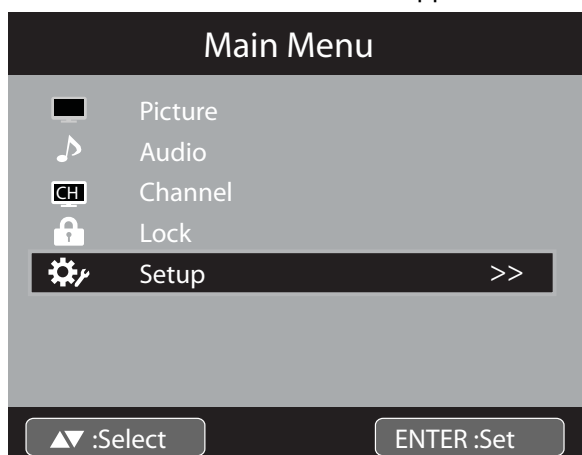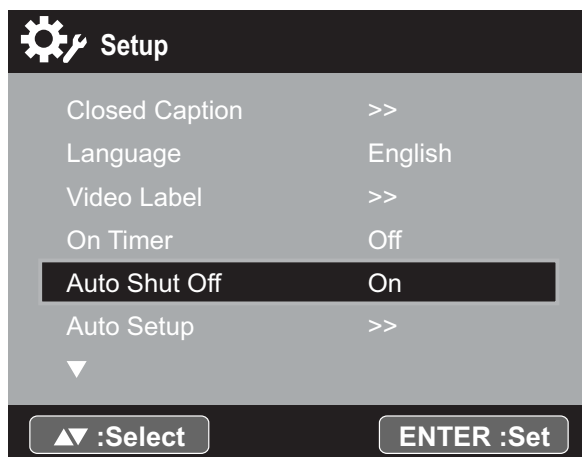**3** Press ▲ or ▼ to select **Auto Shut Off**, then press ◄ or ► to change the setting. You can select:
• **On**—To turn the Auto Shut Off on.
• **Off**—To turn the Auto Shut Off off.

4 Press **EXIT** to return to the normal screen.

Setting the PC Standby

In PC mode, if no signal is received or no operation performed for one minute, the TV turns to standby mode automatically (LED light flashes red). When an input signal is received or an operation performed on the PC, the TV returns to On mode.

To set the Auto Shut Off:

1 Press **MENU**. The *Main Menu* screen appears.

> ## Main Menu
>
> ◼ Picture
> ♪ Audio
> CH Channel
> 🔒 Lock
> ⚙ Setup >>
>
> ▲▼ :Select | ENTER :Set

2 Press ▲ or ▼ to select **Setup**, then press ► or **ENTER**. The *Setup* menu opens.

> ⚙ **Setup**
>
> Language English
> Video Label >>
> On Timer Off
> Auto Shut Off On
> Auto Setup >>
> PC Standby >>
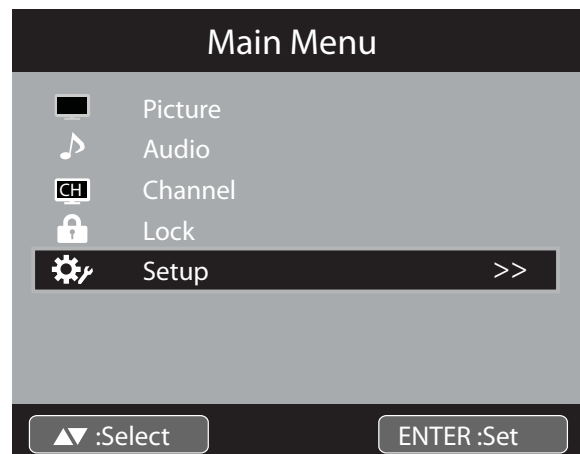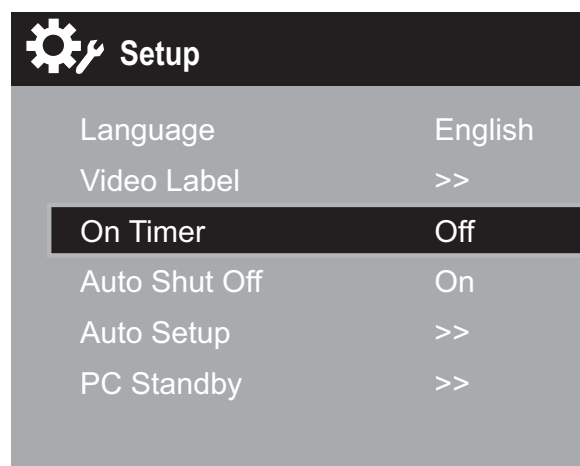
3 Press ▲ or ▼ to select **PC Standby**, then press ◄ or ► to change the setting. You can select:
• **On**—To turn PC Standby on.
• **Off**—To turn PC Standby off.

4 Press **EXIT** to return to the normal screen.

Resetting your TV to factory default settings

The Reset function returns your Picture/Audio settings to the factory settings. "Picture Size", "MTS", "Audio Language", "HDMI Audio" cannot be reset by this function.

To reset your TV to factory default settings:

1 Press **MENU**. The *Main Menu* screen appears.

Main Menu

- Picture
- ♪ Audio
- CH Channel
- Lock
- Setup >>

▲▼ :Select   ENTER :Set

2 Press ▲ or ▼ to select **Setup**, then press ▶ or **ENTER**. The *Setup* menu opens.

Setup

Closed Caption	>>
Language	English
Video Label	>>
On Timer	Off
Auto Shut Off	On
Auto Setup	>>
▼	

▲▼ :Select   ENTER :Set

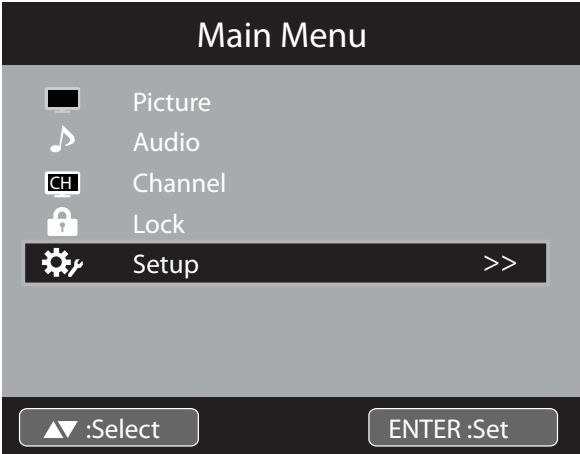**3** Press ▲ or ▼ to select **Reset**, then press ▶ or **ENTER**. Your TV is reset to factory default settings.

Maintaining

Cleaning

Before cleaning the screen, unplug your TV from the power outlet.

Clean your TV with a soft, dry cloth. If surfaces are still dirty, use a soft cloth dampened with a weak detergent solution.

Use an eyeglass cleaner to clean the screen. Never use alcohol, paint thinner, or benzine.

Before using a chemically treated cloth, read the instructions that came with the cloth.

Do not spray insecticide liquid near your TV. Such chemicals may cause damage and discoloration to the exposed surfaces.

Servicing

Do not try to repair your TV yourself. There are no user-serviceable parts inside. Turn off your TV, unplug the power cord, then contact an authorized service center.

Troubleshooting

Warning

Do not try to repair your TV yourself. Contact authorized service personnel.

Video and audio

Problem	Solution
Picture does not fill the screen. There are black bars around the picture.	• Change the aspect ratio. An increasing amount of digital TV and movies are presented in wide screen (16:9). See "Setting the TV picture size" on page 19.
No picture (screen is not lit) and no sound.	• Press **POWER** on the TV or the remote control. • Make sure that the video cables are connected securely to the back of your TV. • Adjust the contrast and brightness. See "Setting your picture preference" on page 17. • Make sure that the power cord is plugged in. • Make sure that the correct video input source is selected. See "Selecting the video input source" on page 16. • Try another channel. The station may be experiencing technical issues. • Make sure that the incoming signal is compatible. • Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 7 or "Connecting an antenna or cable TV (no box)" on page 10. • Check the closed caption settings. Some TEXT modes can block the screen.

Problem	Solution
Picture quality is good on some channels and poor on others. Sound is good.	• The problem may be caused by a poor or weak signal from the broadcaster or cable TV provider. • If you connect to cable or satellite TV without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable or satellite TV provider about upgrading to a set-top box.
Dark, poor, or no picture (screen is lit), but sound is good.	• Try another channel. The station may be experiencing technical issues. • Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 7 or "Connecting an antenna or cable TV (no box)" on page 10. • Adjust the brightness. See "Setting your picture preference" on page 17. • Make sure that the correct picture mode is selected. See "Setting your picture preference" on page 17. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 27. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. • Make sure that the video cables are connected securely to the back of your TV. • The video cable(s) you are using may be bad. Try a new set.
No color, dark picture, or color is not correct.	• Try another channel. The station may be experiencing technical issues. • Adjust the color saturation. See "Setting your picture preference" on page 17. • Make sure that the video cables are connected correctly and securely to the back of your TV. • Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 7 or "Connecting an antenna or cable TV (no box)" on page 10. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 27. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.
Only snow (noise) appears on the screen.	• Try another channel. The station may be experiencing technical issues. • Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 7 or "Connecting an antenna or cable TV (no box)" on page 10. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 27. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.

Problem	Solution
Dotted lines or stripes appear on the screen.	• Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 7 or "Connecting an antenna or cable TV (no box)" on page 10. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 27. • If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. • Make sure that the video cables are connected securely to the back of your TV. • The video cable(s) you are using may be bad. Try a new set. • Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV to eliminate the interference.
Double images.	• Use a highly directional outdoor antenna, cable TV, or satellite TV.
The picture has a few bright or dark spots.	• A few bright or dark spots on an LCD screen is normal. It does not affect the operation of this TV.
Good picture, but no sound.	• Increase the volume. • Make sure that the sound is not muted. • Make sure that the correct audio mode is selected. • Make sure that the audio cables are connected correctly and securely to the back of your TV. • Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 7 or "Connecting an antenna or cable TV (no box)" on page 10. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 27. • The audio cable(s) you are using may be bad. Try a new set.
Poor picture	• Make sure that the room is not too bright. Light reflecting off the screen can make the picture difficult to see. • If an S-VHS camera or a camcorder is connected while another connected device is turned on, the picture may be poor. Turn off one or more devices.
Good sound but poor color	• Adjust the contrast, color, and brightness settings.
Audio noise	• Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV to eliminate the interference.

Problem	Solution
No output from one of the speakers	• Adjust the audio balance. See "Changing the audio settings" on page 21. • Make sure that the audio cables are connected correctly and securely to the back of your TV.
After images appear	• Do not display a still image, such as a logo, game, or computer image, for an extended period of time. This can cause a permanent after-image to be burned into the screen. This type of damage is not covered by your warranty.

Remote control

Problem	Solution
Remote control does not work.	• Make sure that the power cord is correctly connected to your TV and a power outlet. • Make sure that there are no obstructions between the remote control and the remote control sensor on the front of the TV. • Point the remote control directly at the remote control sensor on your TV. For the location of the remote control sensor, see "**Front**" on page 5. • Make sure that the batteries are installed correctly. See "Installing remote control batteries" on page 15. • Replace dead batteries with new batteries. See "Installing remote control batteries" on page 15.
Trouble programming your existing universal remote control.	• See instructions and a table of common codes in "Programming a different universal remote control" on page 41. • Codes are subject to change. For up-to-date codes, go to www.dynexproducts.com/remotecodes. • Replace dead batteries with new batteries. See "Installing remote control batteries" on page 15. • Refer to the User Guide that accompanied your universal remote control and contact the manufacturer if problems persist.

General

Problem	Solution
No power	• Make sure that the power cord is correctly connected to your TV and a power outlet. • Unplug the power cord, wait 60 seconds, then plug the cord back in and turn on your TV. • Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV to eliminate the interference.
"No signal" error message is displayed	• Press **INPUT** and make sure that you have selected the correct input for the device or service you are trying to use. • If you are using a cable or satellite box, use the remote that came with that box to change channels.

Problem	Solution
After Auto Channel Search, there are no channels	• Reception can vary by channel depending on the broadcast power level of a given station. Contact your cable or satellite TV provider. • Make sure the antenna or cable/satellite TV is connected securely to your TV. • Try replacing the cable between the antenna/cable or cable/satellite box and your TV.
One or more channels do not display.	• Make sure that the channels are not blocked. See "Setting parental control levels" on page 29. • Make sure that the channels are not hidden. The channel may have been deleted from the channel list. You can tune to the channel by pressing the number buttons or you can add the channel back to the channel list. See "Deleting channels from memory" on page 26. • If you are using a cable or satellite box, use the remote that came with that box to change channels. • Make sure you have the correct input selected to view channels from the cable or satellite box. • If you are using an antenna, the digital channel signal may be low. To check the digital channel signal strength, see "Checking the digital signal strength" on page 27.
Password is lost.	• If you forget the password, contact the Dynex Customer Care Center 1-800-305-2204 for assistance. Your original remote control will be required.
Some settings cannot be accessed.	• If a setting is grayed, the setting is not available in the current video input mode.
TV cabinet creaks.	• When the TV is in use, the temperature rises naturally and may cause the cabinet to expand or contract which can cause a creaking noise. This is not a malfunction.
Control buttons do not work	• Unplug the power cord, wait a few seconds, then plug the cord back in and turn on your TV.
TV keeps turning off	• Make sure that the sleep timer is not turned on. See "Using the Sleep setting" on page 16.

> **Note**
>
> If the problem is not solved by using these troubleshooting instructions, turn off your TV, then turn it on again.

Specifications

Specifications are subject to change without notice.

Warranty

Parts: 1 year	
Labor: 1 year	

Dimensions and weight

Without stand:
18.58 × 12.91 × 2.52 in.
(47.2 × 32.8 × 6.4 cm)
With stand:
18.58 × 14.25 × 6.85 in.
(47.2 × 36.2 × 17.4 cm)
Without stand:
6.9 lbs. (3.1 kg)
With stand:
7.1 lbs. (3.2 kg)

Screen

Screen size measured diagonally	18.5"
Display type	LCD
Panel 60 Hz vs.120 Hz	60Hz
Display resolution	720p
Panel resolution	1366 (H) × 768 (V)
Aspect ratio	16:9
Contrast ratio (typical)–panel	1000:1
Brightness (center typical) cd/m2	210 nits
Comb filter	3d y/c digital
Response time	5ms (Tr + TF)
Horizontal viewing angle	170
Vertical viewing angle	160

Display resolutions/VGA scan rates

HDMI	Suggested Resolutions: 1080p, 1080i, 720p, 480p, 480i
Component video	Suggested Resolutions: 1080i, 720p, 480p, 480i
PC/VGA	Suggested scan rates:
	VGA: 640 × 480 60/72/75Hz
	VGA: 720 × 400 70Hz
	SVGA: 800 × 600 56/60/72/75Hz
	XGA: 1024 × 768 60/70/75Hz
	WXGA: 1280 × 768 60Hz
	WXGA: 1280 × 720 60Hz
	WXGA: 1360 × 768 60Hz

Tuner

Analog	NTSC
Digital	ATSC, 8-VSB, Clear-QAM

Inputs

HDMI/DVI	1 (back) E-EDID compliant HDCP compliant
Component video	1 (back)
Composite video	1 (back)
Shared audio (component and composite)	Yes
S-Video	No
PC/VGA	1 (back)
3.5mm PC audio input	1 (back)
USB	Yes - for firmware upgrade only

Outputs

Video	No
Analog audio	No
Digital audio	1 (back)
WiFi	No
Ethernet	No
Headphone	1 (back)

Audio

Simulated Surround Sound	Yes
Sound Leveler	No
Watts/channel	2W x 2
Number of speakers	2

Power

Power consumption	On: 29W Standby: 0.3W
Power input	120V/60Hz

Miscellaneous

OSD languages	English, French, Spanish
INlink	No
Game Mode	No
ENERGY STAR qualified	Yes
Internet connectable	No
TV base screws	M3 × 8mm (2 pcs) M4 × 25mm (2 pcs)
V-Chip	Yes
Sleep timer	Yes
Channel labeling	Yes
VESA mount (mm) (horizontal × vertical)	100 × 100

> **Note**
>
> The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.

Programming universal remote controls

Programming a different universal remote control

You can operate your Dynex TV with a new or existing universal remote control.

To program a different universal remote control:

1 See the table below for common codes. If you have problems programming your remote or need a different remote control code, visit www.dynexproducts.com/remotecodes for the latest remote control code information.

2 Follow your universal remote control's instructions to enter the TV code you found in Step 1.

Tips
• If your universal remote control has a code search feature, run a code search to identify a code that matches your TV. See your universal remote control's instructions for details.
• If your universal remote control has a "Learn" feature, you can manually program it using the Dynex TV remote to "teach" the commands one at a time. See your universal remote control's instructions for details.

For additional help and information…

1. Visit http://www.dynexproducts.com/remotecodes
2. Call technical support for the universal remote control or cable/satellite company of the remote/set-top box you are trying to program.
3. Call the Dynex Customer Care Center 1-800-305-2204.

Common universal remote control codes

Notes
• This note only goes with TV/Blu-ray or TVs.
• The following codes may not provide full functionality. You may need to use the remote control that came with your TV, especially to control the Blu-ray or DVD functions.

The following is a list of the most common remote control codes. Codes for other remote controls are available online at: www.dynexproducts.com/remotecodes, or check with your cable or satellite TV provider for the remote control code.

Dynex TV codes for universal remote controls (for all Dynex TVs manufactured after Jan. 1, 2007)

Universal remote control makes and models	
One for All	0054
Phillips	0198, 0490
RCA	135
Sony	068, 069, 078, 096, 100, 164, 168, 229, 026

Set-top box makes and models	
Cablevision	068, 069, 078, 096, 100, 164, 168, 229, 026
Charter	2002, 1204, 1423, 1517, 0171, 1963, 0463, 1463, 0842, 1326, 167, 415, 424, 450, 456, 461, 507, 523, 567, 577, 586
Comcast	10171, 11204, 11326, 11463, 11517, 11641, 11780, 11785, 11892, 11963, 12002
Cox	1326, 1463
DirectTV	10171, 11204, 11326, 11517, 11564, 11641, 11963, 12002
Dish Network	720
Time Warner	400, 450, 461, 456, 10463, 1463, 0463
TiVo	0091
Verizon	0198, 0490

Tips
• The brand name is often visible on the front of the universal remote control, and the model number is often visible on the back.
• If your universal remote control isn't listed on the chart, refer to your universal remote control's instructions and try codes for the brands Orion, Emerson, Memorex, Sansui, Sylvania, or Zenith. You may need to try several codes before finding a match.

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Cables

Connections to this device must be made with shielded cables with metallic RF/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.
Standard Television Receiving Apparatus — Appareil de réception télévision ordinaire, Canada BETS-7 / NTMR-7

Dolby License Notice and Trademark Acknowledgement

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

HDMI

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Energy Star

Please keep the factory default settings as shipped, in order for the product to meet Energy Star requirements.

One-year limited warranty - Dynex Televisions

Definitions:

Dynex Products ("Dynex") warrants to you, the original purchaser of this new Dynex-branded television ("Product"), that the Product shall be free of defects in the original manufacturer of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy or Future Shop authorized dealer of Dynex brand products only that are packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Dynex repair center or store personnel, Dynex will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Dynex and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Dynex Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy or Future Shop retail store location and your television Product has a screen size of less than 37 inches, please take your original receipt and the Product to any Best Buy or Future Shop store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from a Best Buy or Future Shop online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. To obtain in-home warranty service for a television with a screen 37 inches or larger, in the United States call 1-888-BESTBUY, Canada call 1-866-BESTBUY for Future Shop call 1-800-663-2275. Call agents will diagnose and correct the issue over the phone or will have a Dynex-approved repair technician dispatched to your home.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States and Canada at Best Buy or Future Shop branded retail stores or websites.

What does the warranty not cover?

This warranty does not cover:
- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as power surges
- Accident(s)
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Dynex to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed

- Loss or Theft of this product or any part of the product
- Up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY FOR BREACH OF WARRANTY. DYNEX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. DYNEX PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Dynex:

For customer service please call 1-800-305-2204

www.Dynexproducts.com

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